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=> FILE REG
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=> FILE HCAPLUS
FILE 'HCAPLUS' ENTERED AT 17:08:12 ON 21 JUL 2004
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FILE COVERS 1907 - 21 Jul 2004  VOL 141 ISS 4
FILE LAST UPDATED: 20 Jul 2004  (20040720/ED)

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.


=> D QUE
L3                STR
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     O       O
     ||      ||
A----C---C---C----A
1    2   3   4    5

NODE ATTRIBUTES:
NSPEC   IS RC     AT   1
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135,894 structures from this query

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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   7

STEREO ATTRIBUTES: NONE
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L6               STR
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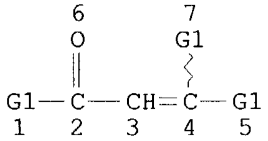
2



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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   7

STEREO ATTRIBUTES: NONE
L8               SCR 1015
L10              SCR 1054
L12         5535 SEA FILE=REGISTRY SSS FUL L6 AND L8 AND L10
L13        98377 SEA FILE=HCAPLUS ABB=ON  L5
L14         8002 SEA FILE=HCAPLUS ABB=ON  L12
L16           32 SEA FILE=HCAPLUS ABB=ON  L13 AND (HAIR OR KERAT?)(5A)COLOR?
L17           98 SEA FILE=HCAPLUS ABB=ON  L13 AND (HAIR OR KERAT?)(5A)DYE?
L19           11 SEA FILE=HCAPLUS ABB=ON  L14 AND (HAIR OR KERAT?)
L20          112 SEA FILE=HCAPLUS ABB=ON  L16 OR L17 OR L19
L21          103 SEA FILE=HCAPLUS ABB=ON  L20 AND COSMETIC?/SC,SX
L22           58 SEA FILE=HCAPLUS ABB=ON  L21 AND COMPOSITION?
L23            4 SEA FILE=HCAPLUS ABB=ON  L19 AND COSMETIC?/SC,SX
L24           60 SEA FILE=HCAPLUS ABB=ON  L22 OR L23
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60 CA references with utility

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=> D L24 BIB ABS HITIND HITSTR 1-60

L24  ANSWER 1 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2004:531341  HCAPLUS
TI   Fungicides that inhibit the adhesion of keratinophilic fungi and
     use in detergents, cosmetics, pharmaceuticals, and on various surfaces
IN   Bockmuehl, Dirk; Hoehne, Heidi; Breves, Roland; Weide, Mirko; Heinzel,
     Michael
PA   Henkel Kommanditgesellschaft Auf Aktien, Germany
SO   PCT Int. Appl., 73 pp.
     CODEN: PIXXD2
DT   Patent
LA   German
FAN.CNT 1
     PATENT NO.        KIND  DATE          APPLICATION NO.  DATE
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PI   WO 2004054561      A1    20040701       WO 2003-EP13390  20031128
         W:  AU, BR, BY, CA, CN, DZ, ID, IL, IN, JP, KR, MX, NO, NZ, PL, RU,
             SG, UA, US, UZ, VN, YU, ZA
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IT, LU, MC, NL, PT, RO, SE, SI, SK, TR
     DE 10259200        A1    20040708       DE 2002-10259200 20021216
PRAI DE 2002-10259200   A     20021216
AB   The invention relates to the use of monoterpenes, sesquiterpenes and/or
     diterpenes and their derivs. for reducing the adhesion of
     keratinophilic fungi on surfaces.  The invention also relates to
     washing and/or cleaning agents, textile treatment agents, body care
     products, cosmetics or pharmaceuticals containing the aforementioned
     substances.  Thus a cream contained (weight/weight%): Dehymuls PGPH 4.5;
Myritol
     331 5.0; Cetiol OE 5.0; Tetrahydro-5-oxo-2-furan carboxylic acid 1.0; zinc
     stearate 1.0; glycerin (86%) 5.0; magnesium sulfate heptahydrate 0.5;
     farnesol 0.001; water to 100.
IC   ICM  A61K031-045
     ICS  A61P031-10; A61K007-00
CC   62-4 (Essential Oils and Cosmetics)
     Section cross-reference(s): 46, 63, 1, 40
IT   Fabric finishing
        (agents; fungicides that inhibit the adhesion of keratinophilic
        fungi and use in detergents, cosmetics, pharmaceuticals and on various
        surfaces)
IT   Cosmetics
        (creams; fungicides that inhibit the adhesion of keratinophilic
        fungi and use in detergents, cosmetics, pharmaceuticals and on various
        surfaces)
IT   Adhesion, biological
     Cosmetics
     Drugs
     Epidermophyton floccosum
     Fungicides
       Hair
     Microsporum audouinii
     Microsporum canis
     Microsporum gallinae
     Microsporum gypseum
     Nail (anatomical)
     Shampoos
     Skin
     Surfactants
     Trichophyton concentricum
     Trichophyton equinum
     Trichophyton megninii
     Trichophyton mentagrophytes
     Trichophyton rubrum
     Trichophyton schoenleinii
     Trichophyton terrestre
     Trichophyton tonsurans
     Trichophyton verrucosum
     Trichophyton violaceum
        (fungicides that inhibit the adhesion of keratinophilic fungi
        and use in detergents, cosmetics, pharmaceuticals and on various
        surfaces)
IT   Keratins
     RL: BSU (Biological study, unclassified); BIOL (Biological study)
        (fungicides that inhibit the adhesion of keratinophilic fungi
```

and use in detergents, cosmetics, pharmaceuticals and on various surfaces)

IT Diterpenes
Monoterpenes
Terpenes
RL: COS (Cosmetic use); PAC (Pharmacological activity); TEM (Technical or engineered material use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(fungicides that inhibit the adhesion of **keratinophilic** fungi and use in detergents, cosmetics, pharmaceuticals and on various surfaces)

IT Ceramics
(surface; fungicides that inhibit the adhesion of **keratinophilic** fungi and use in detergents, cosmetics, pharmaceuticals and on various surfaces)

IT Metals
Plastics
RL: TEM (Technical or engineered material use); USES (Uses)
(surface; fungicides that inhibit the adhesion of **keratinophilic** fungi and use in detergents, cosmetics, pharmaceuticals and on various surfaces)

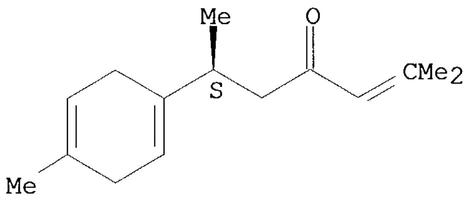
IT 78-70-6, Linalool 106-24-1, Geraniol 106-25-2, Nerol 142-50-7, Nerolidol 495-60-3, Zingiberene 495-62-5, Bisabolene 502-61-4, α-Farnesene 546-80-5, Thujon 3162-56-9, Vulgarin 4602-84-0, Farnesol 5986-55-0, Patchouli alcohol 7548-13-2, Farnesolic acid 17066-67-0, β-Selinene 18794-84-8, β-Farnesene 24034-73-9 29350-73-0, Cadinene 30199-26-9, Xanthorrhizol **56485-42-8**, Turmerone **56485-42-8D**, Turmerone, aryl derivs. 73744-93-1, Sesquiphellandrene
RL: COS (Cosmetic use); PAC (Pharmacological activity); TEM (Technical or engineered material use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(fungicides that inhibit the adhesion of **keratinophilic** fungi and use in detergents, cosmetics, pharmaceuticals and on various surfaces)

IT **56485-42-8**, Turmerone **56485-42-8D**, Turmerone, aryl derivs.
RL: COS (Cosmetic use); PAC (Pharmacological activity); TEM (Technical or engineered material use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(fungicides that inhibit the adhesion of **keratinophilic** fungi and use in detergents, cosmetics, pharmaceuticals and on various surfaces)

RN 56485-42-8 HCAPLUS

CN 2-Hepten-4-one, 2-methyl-6-(4-methyl-1,4-cyclohexadien-1-yl)-, (6S)- (9CI) (CA INDEX NAME)

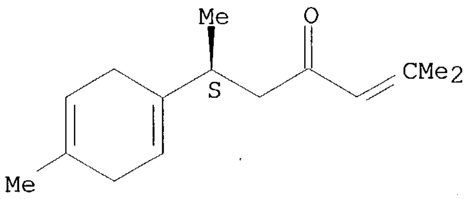
Absolute stereochemistry.



RN 56485-42-8 HCAPLUS

CN 2-Hepten-4-one, 2-methyl-6-(4-methyl-1,4-cyclohexadien-1-yl)-, (6S)- (9CI)
(CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 2 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:525964 HCAPLUS
TI Hair dying tablets containing compounds with reactive carbonyl group
IN Moeller, Hinrich; Gross, Wibke; Hoeffkes, Horst; Oberkobusch, Doris; Schulze Zur Wiesche, Erik
PA Henkel Kgaa, Germany
SO Ger. Offen., 56 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

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     PATENT NO.         KIND  DATE          APPLICATION NO.   DATE
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PI   DE 10260880         A1   20040701      DE 2002-10260880  20021223
     WO 2004058202       A1   20040715      WO 2003-EP14202   20031213
         W:  CN, JP, RU, US
         RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
             IT, LU, MC, NL, PT, RO, SE, SI, SK, TR
PRAI DE 2002-10260880   A     20021223
```

AB The invention concerns oxydative **hair dye** compns. containing compds. with reactive carbonyl group and that are formulated as tablets; developer and coupler can be formulated as two tablets or as one tablet with developer layer, coupler layer and a dividing layer between the two. Addnl. components are selected from the group of CH-acids, primary and secondary amines, arylamines, hydroxy compds., amino acids and peptides, and dissoln. enhancers. Thus a tablet base **composition** contained (g): arginine 0.50; Avicel PH102 1.10; magnesium stearate 0.03; Merquat 280 dry 0.05; Aerosil 200 0.01; Optigel SH 0.20; Jaguar HP 120 0.25; Amaze 0.08; Luviskol K30 0.07; Texapon K1296 PLV 0.03. To prepare **hair dye** tablets 2.32 g of the base **composition** was mixed for the first tablet with 0.30 g Starlac, 1.38 g 4-formyl-1-methylquinolinium-p-toluene sulfate; for the second tablet with 0.73 g Starlac and 0.95 g 2,4,5,6-tetraaminopyrimidine sulfate.
IC ICM A61K007-13
ICS D06P003-10; D06P003-14; D06P003-30
CC 62-3 (Essential Oils and **Cosmetics**)
ST oxidative **hair dye** tablet reactive carbonyl group
IT **Dyes**
(direct, cationic; **hair** dying tablets containing compds. with reactive carbonyl group)
IT **Hair** preparations
(**dyes**, oxidative; **hair** dying tablets containing compds.

with reactive carbonyl group)

IT **Hair** preparations
(**dyes**; **hair** dying tablets containing compds. with reactive carbonyl group)

IT Tablets
(**hair dyes**; **hair** dying tablets containing compds. with reactive carbonyl group)

IT 59-48-3, Oxindol 60-80-0 66-72-8, Pyridoxal 67-52-7, Barbituric acid 70-70-2 74-79-3, L-Arginine 75-75-2, Methanesulfonic acid 77-78-1D, Methylsulfate, salts 83-33-0, 1-Indanone 84-83-3 86-51-1, 2,3-Dimethoxybenzaldehyde 89-84-9 90-02-8, Salicylaldehyd e 90-44-8, Anthrone 91-56-5, Isatin 93-02-7, 2,5-Dimethoxybenzaldehyde 93-55-0, Propiophenone 95-01-2, 2,4-Dihydroxybenzaldehyde 97-51-8, 2-Hydroxy-5-nitrobenzaldehyde 98-01-1, Furfural 98-86-2, Acetophenone 99-61-6, 3-Nitrobenzaldehyde 99-92-3 99-93-4, 4-Hydroxyacetophenone 100-10-7, 4-N,N-Dimethylaminobenzaldehyde 100-83-4, 3-Hydroxybenzaldehyde 104-15-4D, salts 117-39-5, Quercetin 118-12-7 118-93-4 120-14-9, 3,4-Dimethoxybenzaldehyde 120-21-8, 4-Diethylaminobenzaldehyde **120-46-7**, 2-Benzoylacetophenone 120-57-0, Piperonal 121-32-4, 3-Ethoxy-4-hydroxybenzaldehyde 121-33-5, Vanillin 121-71-1 122-57-6 123-08-0, 4-Hydroxybenzaldehyde 123-11-5, 4-Methoxybenzaldehyde 126-81-8, 5,5-Dimethylcyclohexane-1,3-dione 131-56-6, 2,4-Dihydroxybenzophenone 134-96-3, 4-Hydroxy-3,5-dimethoxybenzaldehyde 135-02-4, 2-Methoxybenzaldehyde 139-85-5, 3,4-Dihydroxybenzaldehyde 141-84-4 **326-91-0**, 2-Thenoyltrifluoroacetone 350-03-8, 3-Acetylpyridine 387-46-2, 2,6-Dihydroxybenzaldehyde 458-36-6, Coniferylaldehyde 480-66-0 486-25-9, 9-Fluorenone 487-70-7, 2,4,6-Trihydroxybenzaldehyde 487-89-8, 3-Indolealdehyde 490-78-8 491-38-3, Chromone 491-67-8, 5,6,7-Trihydroxyflavone 498-02-2 500-22-1, 3-Pyridinaldehyde 504-17-6, Thiobarbituric acid 520-36-5, 4',5,7-Trihydroxyflavone 525-82-6, Flavone 528-21-2 528-75-6, 2,4-Dinitrobenzaldehyde 548-83-4, 3,5,7-Trihydroxyflavone 552-89-6, 2-Nitrobenzaldehyde 553-86-6, Cumaranone 555-16-8, 4-Nitrobenzaldehyde 574-19-6 577-56-0 577-85-5, 3-Hydroxyflavone 579-72-6, 2-Dimethylaminobenzaldehyde 586-89-0 591-31-1, 3-Methoxybenzaldehyde 605-59-4, 1-Ethyl-4-methylquinolinium iodide 606-23-5, Indan-1,3-dione 606-31-5, 2,6-Dinitrobenzaldehyde 606-55-3, 1-Ethyl-2-methylquinolinium iodide 608-08-2, 3-Indoxylacetate 610-99-1 611-09-6, 5-Nitroisatin 611-99-4, 4,4'-Dihydroxybenzophenone 613-45-6, 2,4-Dimethoxybenzaldehyde 613-69-4, 2-Ethoxybenzaldehyde 614-16-4, Benzoylacetonitrile 621-59-0, 3-Hydroxy-4-methoxybenzaldehyde 673-22-3, 2-Hydroxy-4-methoxybenzaldehyde 698-63-5, 5-Nitrofurfural 699-83-2 703-80-0, 3-Acetylindole 704-13-2, 3-Hydroxy-4-nitrobenzaldehyde 708-06-5, 2-Hydroxy-1-naphthaldehyde 711-79-5 712-97-0, 6-Nitropiperonal 779-90-8, 1,3,5-Triacetylbenzene 821-42-1, 2-Pentenedial 830-74-0, 1-Allylisatin 830-79-5, 2,4,6-Trimethoxybenzaldehyde 832-58-6, 2,4,6-Trimethoxyacetophenone 872-85-5, 4-Pyridinecarboxaldehyde 876-87-9, 1,2-Dimethylquinolinium iodide 932-16-1, 1-Methyl-2-acetylpyrrole 943-88-4, 4-Methoxybenzylideneacetone 1009-61-6, 1,4-Diacetylbenzene 1080-12-2, 4-Hydroxy-3-methoxybenzylideneacetone 1080-74-6, 3-Dicyanomethyleneindan-1-one 1121-60-4, 2-Pyridinaldehyde 1122-54-9, 4-Acetylpyridine 1122-62-9, 2-Acetylpyridine 1136-86-3 1137-42-4, 4-Hydroxybenzophenone 1143-38-0, 1,8-Dihydroxyanthrone 1143-72-2, 2,3,4-Trihydroxybenzophenone 1192-58-1 1194-98-5, 2,5-Dihydroxybenzaldehyde 1199-59-3, 4-Dimethylamino-2-methylbenzaldehyde 1204-86-0, 4-Morpholinobenzaldehyde 1217-89-6, N-Benzylisatin 1424-66-4, 2-Chloro-4-dimethylaminobenzaldehyde 1450-75-5 1466-88-2 1470-79-7, 2,4,4'-Trihydroxybenzophenone

1483-97-2, 3,6-Diacetyl-9-ethylcarbazole 1484-05-5, 3-Acetyl-9-methylcarbazole 1504-76-3 1734-79-8 1874-22-2, 3-(5-Nitro-2-furyl)acrolein 1971-81-9, 4-Dimethylamino-1-naphthaldehyde 2058-74-4, 1-Methylisatin 2089-78-3 2103-57-3, 2,3,4-Trimethoxybenzaldehyde 2124-31-4 2144-08-3, 2,3,4-Trihydroxybenzaldehyde 2233-18-3, 4-Hydroxy-3,5-dimethylbenzaldehyde 2291-40-9 2478-38-8 2539-53-9, 4-Ethoxy-3-hydroxybenzaldehyde 2654-52-6, 2,3-Dimethylbenzothiazolium-p-toluenesulfonate 2688-48-4 2688-49-5 2785-06-0, 2,3-Dimethylbenzothiazolium iodide 2835-77-0, 2-Aminobenzophenone 2835-99-6, 3-Methyl-4-aminophenol 2887-61-8, 2-Hydroxybutyrophenone 3011-34-5, 4-Hydroxy-3-nitrobenzaldehyde 3119-93-5, 3-Ethyl-2-methylbenzothiazolium iodide 3158-63-2, 1,3-Dimethylthiobarbituric acid 3160-35-8, 4-Hydroxybenzylideneacetone 3160-37-0 3198-32-1D, Benzenesulfonate, salts 3215-37-0, 3-Acetylcarbazole 3392-97-0, 2,6-Dimethoxybenzaldehyde 3433-54-3, 6-Nitroisatin 3565-42-2, Quinisatine 4290-82-8 **4335-90-4** 4363-93-3 4460-86-0, 2,4,5-Trimethoxybenzaldehyde 4940-39-0, Chromone-2-carboxylic acid 5217-47-0, 1,3-Diethylthiobarbituric acid 5260-37-7, 3-Ethyl-2-methylbenzoxazolium iodide 5274-70-4, 2-Hydroxy-3-nitrobenzaldehyde 5392-12-1, 2-Methoxy-1-naphthaldehyde 5416-80-8 5418-63-3, 1,2,3,3-Tetramethyl-3H-indolium iodide 5432-53-1, 4-Dimethylaminobenzylideneacetone 5466-88-6 5551-11-1, 4-Chloro-2-nitrobenzaldehyde 5556-84-3, 2,3,5-Trimethoxybenzaldehyde 5556-86-5, 2,3,6-Trimethoxybenzaldehyde 5650-41-9, 3-Hydroxypropiophenone 5679-13-0, 2-Benzylidenecyclopentanone 5682-83-7, 2-Benzylidenecyclohexanone 5718-83-2, Rhodanine-3-acetic acid 6051-53-2, 2-Hydroxybenzylideneacetone 6203-18-5, 4-Dimethylaminozimtaldehyde 6271-44-9, 1,2,3-Trimethylquinoxalinium iodide 6322-56-1, 4-Hydroxy-3-nitroacetophenone 6361-22-4, 2-Chloro-6-nitrobenzaldehyde 6374-92-1, 5,7-Dichloroisatin 6532-16-7, N-Morpholinomethylisatin 6628-86-0, 5-Chloro-2-nitrobenzaldehyde 6633-46-1 6635-20-7, 5-Nitrovanillin 6781-42-6, 1,3-Diacetylbenzene 7216-42-4 7311-34-4, 3,5-Dimethoxybenzaldehyde 7313-70-4, Isatin-5-sulfonic acid 7570-45-8, N-Ethylcarbazol-3-aldehyde 7722-84-1, Hydrogen peroxide 7770-45-8, 4-Hydroxy-1-naphthaldehyde 10031-82-0, 4-Ethoxybenzaldehyde 10040-98-9, 4-(1-Imidazolyl)benzaldehyde 10041-06-2 10111-08-7 10182-90-8D, 2-Formyl-1-methylpyridinium, salts 10338-57-5, 4-Piperidinobenzaldehyde 10342-85-5 12270-25-6, Basic red 51 13129-69-6, N-Piperidinomethylisatin 13441-40-2D, salts 13441-42-4D, salts 13505-39-0, 3-Hydroxybutyrophenone 13669-42-6 14501-66-7 14874-70-5D, Tetrafluoroborate, salts 14933-76-7, 3-Ethyl-2-methylbenzothiazolium-p-toluenesulfonate 15032-10-7 15174-69-3, 4-Hydroxy-3-methylbenzaldehyde 15971-29-6, 4-Methoxy-1-naphthaldehyde 16214-27-0, Indan-1,2-dione 16588-34-4, 4-Chloro-3-nitrobenzaldehyde 16634-88-1, 5-Bromo-3-nitrosalicylaldehyde 16859-86-2, 1,4-Dimethylquinolinium iodide 16919-18-9D, Hexafluorophosphate, salts 17028-61-4, 2-Hydroxy-3-methoxy-5-nitrobenzaldehyde 17422-74-1 17630-76-1, 5-Chloroisatin 17754-90-4, 4-Diethylamino-2-hydroxybenzaldehyde **17792-58-4** 18073-18-2 18278-34-7, 4-Hydroxy-2-methoxybenzaldehyde 18899-16-6D, salts 19005-93-7 19012-02-3, 1-Methyl-3-acetylindole 19012-03-4 19143-35-2, N-Methylpyridoxal 20048-92-4, 1-Ethyl-2-methylquinolinium-p-toluenesulfonate 20357-25-9, 4,5-Dimethoxy-2-nitrobenzaldehyde 21240-56-2 22080-96-2, 4-Hydroxy-2,6-dimethoxybenzaldehyde 22411-59-2 22924-15-8, 3-Ethoxybenzaldehyde 22948-94-3 24677-78-9, 2,3-Dihydroxybenzaldehyde 25128-32-9 25322-68-3, Polyethylene glycol 26153-38-8, 3,5-Dihydroxybenzaldehyde
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(hair dying tablets containing compds. with reactive carbonyl group)
IT 27311-52-0 27394-81-6, 5-(4-Methoxyphenyl)penta-2,4-dienal 28746-58-9
31541-32-9 31680-07-6, 4-Methyl-3-nitrobenzaldehyde 32479-73-5,
1,3-Diethylbarbituric acid 33709-29-4 33985-71-6 35094-87-2,
2,4,5-Trihydroxybenzaldehyde 36075-79-3D, salts 36518-76-0
37181-39-8D, Trifluoromethanesulfonate, salts 39421-75-5, Jaguar HP120
39755-03-8, 4-Hydroxybutyrophenone 39755-95-8, 5-Methoxyisatin
39910-98-0 41438-18-0, 4-Hydroxy-2-methylbenzaldehyde 41602-56-6,
4-Dimethylamino-2-hydroxybenzaldehyde 41704-95-4, Isatin-4-carboxylic
acid 42426-35-7 42454-06-8, 5-Hydroxy-2-nitrobenzaldehyde
42758-54-3, 4-Nitro-1-naphthaldehyde 43057-77-8, 4-Ethoxy-2-hydroxybenzaldehyde 45791-64-8D, 4-Acetyl-1-methylpyridinium, salts
46791-37-1D, salts 46881-39-4D, salts 49647-58-7, 2,4,5,6-Tetraaminopyrimidine sulfate 50379-28-7 50899-59-7 51107-64-3D,
salts 51980-54-2, 4-Pyrrolidinobenzaldehyde 53003-19-3 53003-20-6
53019-76-4 53055-05-3, 3-Methoxy-2-nitrobenzaldehyde 54424-26-9
54424-27-0 54424-29-2 54628-24-9D, salts 55047-63-7 55952-56-2,
1-Ethyl-4-methylquinolinium-p-toluenesulfonate 58028-76-5,
2-Morpholinobenzaldehyde 58380-40-8, 4-Hydroxy-2,3-dimethylbenzaldehyde
59184-59-7 60126-36-5, 3-Ethyl-2-methylbenzoxazolium-p-toluenesulfonate
61078-47-5, 2-(4-Hydroxybenzylidene)cyclopentanone 61078-48-6,
2-(4-Hydroxybenzylidene)cyclohexanone 62378-72-7 **63053-27-0**
64168-39-4, 2,3,6-Trihydroxybenzaldehyde 65192-34-9 65192-36-1
65443-86-9 67805-13-4 68549-78-0 69471-05-2, 4-Hydroxy-2,3-dimethoxybenzaldehyde 69564-74-5 70484-29-6 70547-87-4,
4-Hydroxy-2,6-dimethylbenzaldehyde 74186-01-9, 2,3,5-Trihydroxybenzaldehyde 74380-12-4 75965-68-3 75965-71-8 75965-84-3
79459-15-7, 3,5-Diethoxy-4-hydroxybenzaldehyde 80749-72-0,
4-Hydroxy-2,5-dimethoxybenzaldehyde 80789-74-8, 5-Isatinsulfonic acid
sodium salt 83072-44-0, 2-Ethoxy-4-hydroxybenzaldehyde 83073-86-3,
5-(4-Dimethylaminophenyl)penta-2,4-dienal 84562-48-1,
4-Dimethylamino-2-methoxybenzaldehyde 84677-32-7 85231-15-8,
4-Hydroxy-2,5-dimethylbenzaldehyde 90134-10-4, 4-Dibutylaminobenzaldehyde 91902-53-3 96516-29-9, 2-Fluoro-3-nitrobenzaldehyde 97095-30-2 100727-07-9 101558-59-2D,
4-Benzoyl-1-methylpyridinium, salts 101582-21-2 104202-54-2
106110-60-5 115571-79-4 116844-55-4, Basic yellow 87 122438-74-8D,
salts 124315-67-9 130133-55-0 133437-59-9 144284-89-9
147025-37-4D, salts 147801-94-3 147801-97-6 155601-30-2,
4,5-Diamino-1-(2-hydroxyethyl)pyrazole sulfate 159759-49-6 169381-72-0
187030-52-0, 5-(4-Diethylaminophenyl)penta-2,4-dienal 199916-92-2
215377-39-2 215377-40-5 215377-41-6 215377-42-7 215377-43-8
215377-45-0 215377-46-1 215377-47-2 215377-48-3 215377-49-4
215377-50-7 215517-65-0 215517-66-1 215517-68-3 220118-52-5
220118-53-6 220118-56-9, 1,2,3,3-Tetramethyl-3H-indolium
methanesulfonate 223397-50-0D, salts 223397-66-8D, salts
223397-83-9D, salts 223397-92-0D, salts 223398-02-5 223398-35-4D,
salts 223398-44-5 223398-44-5D, salts 223398-52-5D, salts
223398-61-6D, salts 223398-72-9 260980-91-4 260980-92-5
260980-93-6 260980-94-7 260980-95-8 260980-96-9 260980-97-0
260980-98-1 260980-99-2 260981-00-8 278807-62-8D, salts
278807-63-9D, salts 278807-65-1D, salts 278807-66-2D, salts
278807-68-4D, salts 278807-69-5D, salts 278807-70-8D, salts
278807-72-0D, salts 278807-73-1D, salts 278807-74-2D, salts
278807-75-3D, salts 278807-76-4D, salts 278807-79-7D, salts
278807-80-0D, salts 279214-38-9 325853-04-1 325853-08-5
325853-09-6 341989-73-9, 2,6-Diethoxy-4-hydroxybenzaldehyde
343218-85-9 481648-77-5, Starlac 503853-81-4 503853-94-9
503854-80-6D, salts 503854-82-8D, salts 503854-83-9D, salts

503854-85-1D, salts 503854-87-3D, salts 503854-88-4D, salts
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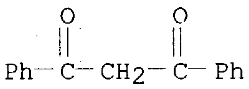
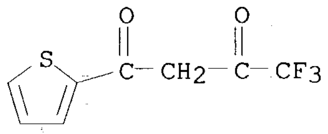
503855-07-0D, salts 503855-09-2D, salts 503855-32-1 503855-35-4
503855-38-7 503855-42-3 503855-44-5 503855-47-8 503855-48-9
503855-49-0 503855-50-3 503855-51-4 503855-52-5 503855-53-6
503855-54-7 503855-55-8 504433-01-6 504433-02-7 507224-48-8
669057-57-2, Pyrimidinium, 1,3-diethyl-2,3-dihydro-4,6-dimethyl-2-oxo-,
chloride 669057-58-3 669057-62-9 669057-64-1 669057-68-5
669057-69-6 669057-71-0 669057-72-1 669057-74-3 669057-80-1
669057-81-2 669057-82-3 669057-86-7 669057-91-4 669057-93-6
669057-94-7 669057-96-9 708260-22-4D, salts 711012-37-2
711012-39-4 711012-41-8 711012-42-9 711012-43-0 711012-44-1
711012-45-2D, salts 711012-47-4 711012-48-5 711012-52-1D, salts
711012-56-5
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hair dying tablets containing compds. with reactive carbonyl group)

IT **120-46-7**, 2-Benzoylacetophenone **326-91-0**,
2-Thenoyltrifluoroacetone **4335-90-4** **17792-58-4**
63053-27-0
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hair dying tablets containing compds. with reactive carbonyl group)

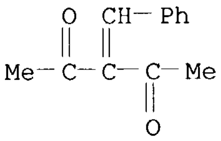
RN 120-46-7 HCAPLUS
CN 1,3-Propanedione, 1,3-diphenyl- (6CI, 8CI, 9CI) (CA INDEX NAME)


$Ph-C(=O)-CH_2-C(=O)-Ph$

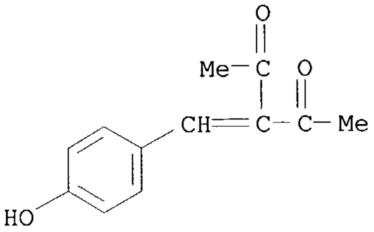
RN 326-91-0 HCAPLUS
CN 1,3-Butanedione, 4,4,4-trifluoro-1-(2-thienyl)- (7CI, 8CI, 9CI) (CA INDEX NAME)



RN 4335-90-4 HCAPLUS
CN 2,4-Pentanedione, 3-(phenylmethylene)- (9CI) (CA INDEX NAME)


$Me-C(=O)-C(=CH-Ph)-C(=O)-Me$

RN 17792-58-4 HCAPLUS
CN 2,4-Pentanedione, 3-[(4-hydroxyphenyl)methylene]- (9CI) (CA INDEX NAME)



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RN   63053-27-0  HCAPLUS
CN   2,4-Pentanedione, 3-[[4-(dimethylamino)phenyl]methylene]- (9CI)  (CA INDEX
     NAME)
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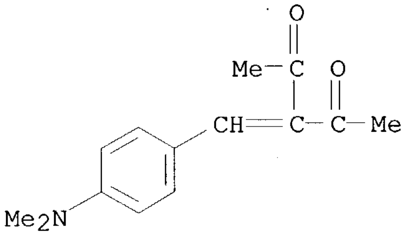

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L24  ANSWER 3 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2004:510123  HCAPLUS
DN   141:59182
TI   Compositions containing a direct dye and a specific polymer for
     coloring of hair fibers
IN   Guerin, Frederic; Samain, Henri
PA   L'oreal, Fr.
SO   Eur. Pat. Appl., 15 pp.
     CODEN: EPXXDW
DT   Patent
LA   French
FAN.CNT 1
     PATENT NO.          KIND  DATE          APPLICATION NO.   DATE
     ---------------     ----  --------      ---------------   --------
PI   EP 1430876           A1   20040623      EP 2003-293258    20031219
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
     FR 2848834           A1   20040625      FR 2002-16205     20021219
PRAI FR 2002-16205        A    20021219
AB   Compns. contain a direct dye and a specific polymer for coloring
     of hair fibers.  The compns. comprise a direct dye, a water-soluble
     polymer, and an agent for increasing the viscosity.
IC   ICM  A61K007-13
CC   62-3 (Essential Oils and Cosmetics)
ST   hair direct dye polymer viscosity enhancer
IT   Alcohols, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (C1-4; compns. containing direct dye and polymer for
        coloring of hair fibers)
IT   Ketones, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (C3-4; compns. containing direct dye and polymer for
         coloring of hair fibers)
IT    Alkanes, biological studies
      RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
         (C5-10; compns. containing direct dye and polymer for
         coloring of hair fibers)
IT    Phenols, biological studies
      RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
         (amino, dyes; compns. containing direct dye and polymer for
         coloring of hair fibers)
IT    Surfactants
         (amphoteric; compns. containing direct dye and polymer for
         coloring of hair fibers)
IT    Polyelectrolytes
      Surfactants
         (anionic; compns. containing direct dye and polymer for
         coloring of hair fibers)
IT    Dyes
         (azomethine; compns. containing direct dye and polymer for
         coloring of hair fibers)
IT    Dyes
      Polyelectrolytes
      Surfactants
         (cationic; compns. containing direct dye and polymer for
         coloring of hair fibers)
IT    Antioxidants
      Azo dyes
      Dispersing agents
      Electrolytes
      Fluorescent dyes
      Human
      Opacifiers
      Perfumes
      Polyelectrolytes
      Preservatives
      Sequestering agents
      Solvents
      Surfactants
      Thickening agents
      Viscosity
         (compns. containing direct dye and polymer for coloring
         of hair fibers)
IT    Acids, biological studies
      Alkali metal hydroxides
      Polymers, biological studies
      Tannins
      RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
         (compns. containing direct dye and polymer for coloring
         of hair fibers)
IT    Hair preparations
         (conditioners; compns. containing direct dye and polymer for
         coloring of hair fibers)
IT    Hair preparations
         (creams; compns. containing direct dye and polymer for
         coloring of hair fibers)
IT    Dyes
         (direct; compns. containing direct dye and polymer for
         coloring of hair fibers)
IT    Phenols, biological studies
      Porphyrins
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     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (dyes; compns. containing direct dye and polymer for
        coloring of hair fibers)
IT   Hair preparations
        (gels; compns. containing direct dye and polymer for
        coloring of hair fibers)
IT   Hair preparations
        (lotions; compns. containing direct dye and polymer for
        coloring of hair fibers)
IT   Phenols, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (naphthols, dyes; compns. containing direct dye and polymer for
        coloring of hair fibers)
IT   Surfactants
        (nonionic; compns. containing direct dye and polymer for
        coloring of hair fibers)
IT   Amines, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (phenolic, dyes; compns. containing direct dye and polymer for
        coloring of hair fibers)
IT   Carboxylic acids, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (polycarboxylic, salts; compns. containing direct dye and polymer
        for coloring of hair fibers)
IT   Carboxylic acids, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (polycarboxylic; compns. containing direct dye and polymer for
        coloring of hair fibers)
IT   Alcohols, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (polyhydric, ethers; compns. containing direct dye and polymer
        for coloring of hair fibers)
IT   Phenols, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (polyphenols, nonpolymeric; compns. containing direct dye and
        polymer for coloring of hair fibers)
IT   Hair preparations
        (sprays; compns. containing direct dye and polymer for
        coloring of hair fibers)
IT   Polymers, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (water-soluble; compns. containing direct dye and polymer for
        coloring of hair fibers)
IT   64-19-7D, Acetic acid, C1-4 alkyl esters   69-72-7, o-Hydroxybenzoic acid,
     biological studies   72-48-0, Alizarin   79-06-1D, Acrylamide, polymers
     79-10-7D, Acrylic acid, polymers   81-48-1, Solvent Violet 13   81-54-9,
     Purpurin   82-33-7   83-72-7, Lawsone   85-23-4, Spinulosin   87-66-1,
     Pyrogallol   87-69-4, Tartaric acid, biological studies   88-99-3,
     Phthalic acid, biological studies   91-56-5, Isatin   92-31-9, Basic Blue
     17   96-91-3, 2-Amino-4,6-dinitrophenol   99-06-9, m-Hydroxybenzoic acid,
     biological studies   99-56-9, 1,2-Diamino-4-nitrobenzene   99-57-0,
     2-Amino-4-nitrophenol   99-96-7, p-Hydroxybenzoic acid, biological studies
     100-51-6, Benzyl alcohol, biological studies   108-46-3, Resorcinol,
     biological studies   110-71-4   116-85-8, Disperse Red 15   121-88-0,
     2-Amino-5-nitrophenol   124-04-9, Adipic acid, biological studies
     128-95-0, Disperse Violet 1   139-85-5, Protocatechuic aldehyde
     144-62-7, Oxalic acid, biological studies   149-91-7, Gallic acid,
     biological studies   299-27-4, Potassium Gluconate 458-37-7,
     Curcumin   477-73-6, Basic Red 2   481-39-0, Juglone   526-95-4, Gluconic
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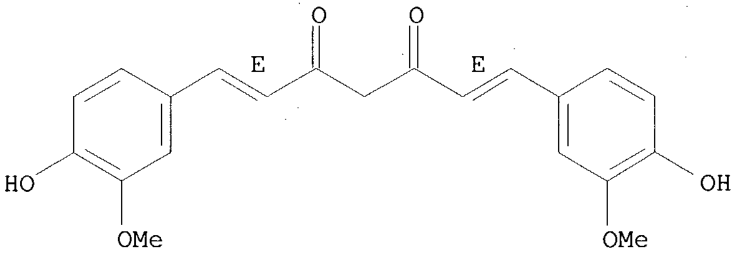
acid 526-95-4D, Gluconic acid, salts 527-07-1, Sodium Gluconate
548-62-9, Basic Violet 3 569-77-7, Purpurogallin 587-98-4, Acid Yellow
36 610-81-1, 4-Amino-3-nitrophenol 632-99-5, Basic Violet 14
633-03-4, Basic Green 1 633-96-5, Acid Orange 7 1064-48-8, Acid Black
1 1151-98-0, Apigenidin 1220-94-6, Disperse Violet 4 1260-17-9,
Carminic acid 1320-07-6, Acid Orange 24 1694-09-3, Acid Violet 49
1934-21-0, Acid Yellow 23 2390-60-5, Basic Blue 7 2475-45-8, Disperse
Blue 1 2475-46-9, Disperse Blue 3 2580-56-5, Basic Blue 26
2706-28-7, Acid Yellow 9 2871-01-4 2872-48-2, Disperse Red 11
3179-89-3, Disperse Red 17 3179-90-6, Disperse Blue 7 3486-30-4, Acid
Blue 7 3567-66-6, Acid Red 33 4368-56-3, Acid Blue 62 4430-18-6,
Acid Violet 43 4926-55-0 5307-14-2, 1,4-Diamino-2-nitrobenzene
6358-09-4 6441-93-6 6472-57-7, Acid Blue 91 6915-15-7, Malic acid
9003-06-9, Acrylic acid-Acrylamide copolymer 10442-83-8 12217-41-3,
Basic Blue 22 12221-52-2, Basic Red 22 13556-29-1 18499-92-8,
Kermesic acid 19222-41-4, Ammonium Gluconate 20721-50-0, Disperse
Black 9 22036-97-1 22366-99-0 23946-41-0 24905-87-1 26381-41-9,
Basic Brown 16 26590-05-6, Acrylamide-diallyldimethylammonium chloride
copolymer 29705-39-3 33229-34-4 47569-30-2 50610-28-1 52136-23-9
52136-25-1 52551-67-4 56330-88-2 56932-44-6 56932-45-7
59820-43-8 59820-63-2 65235-31-6 66095-81-6 66612-11-1
66612-19-9 68123-13-7, Basic Blue 99 68259-00-7 68391-30-0, Basic
Red 76 68391-31-1, Basic Yellow 57 68651-46-7, Indigo 69418-26-4
74153-51-8 77061-58-6 80062-31-3 81612-54-6 82576-75-8
84041-77-0 86419-68-3 97404-02-9 99788-75-7 104333-00-8
104516-93-0 108388-79-0 131657-78-8 141973-33-3 154442-49-6
176742-32-8, Basic Brown 17 359868-06-7 360069-60-9, C.I. Disperse
Violet 15 708270-17-1
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(compns. containing direct **dye** and polymer for **coloring**
of **hair** fibers)

IT **458-37-7**, Curcumin
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(compns. containing direct **dye** and polymer for **coloring**
of **hair** fibers)

RN 458-37-7 HCAPLUS

CN 1,6-Heptadiene-3,5-dione, 1,7-bis(4-hydroxy-3-methoxyphenyl)-, (1E,6E)-
(9CI) (CA INDEX NAME)

Double bond geometry as shown.



L24 ANSWER 4 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 2004:510119 HCAPLUS

DN 141:59225

TI Cosmetic **compositions** comprising an amphoteric surfactant and a
ceramide

IN Maubru, Mireille

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PA    L'Oreal, Fr.
SO    Eur. Pat. Appl., 14 pp.
      CODEN: EPXXDW
DT    Patent
LA    French
FAN.CNT 1
      PATENT NO.        KIND  DATE          APPLICATION NO.   DATE
      ---------------   ----  --------      ---------------   --------
PI    EP 1430871        A1    20040623      EP 2003-292685    20031028
          R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
              IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
      FR 2848828        A1    20040625      FR 2002-16191     20021219
      JP 2004196807     A2    20040715      JP 2003-423879    20031219
PRAI  FR 2002-16191     A     20021219
AB    Cosmetic compns. comprising an amphoteric surfactant and a ceramide.
      Thus, a composition contained sodium lauryl ether sulfate 15.5,
      Miranol CSE 2.2, Jaguar C13S 0.1, 2-N-oleoylaminooctadecane-1,3-diol 0.01,
      DC-200 2.7, distearyl ether 1.5, behenyl alc. 1.5, coco
      monoisopropanolamide 1, crosslinked poly(acrylic acid) 0.2, preservative
      and citric acid and perfume qs, and water qs to 100 g.
IC    ICM  A61K007-075
CC    62-4 (Essential Oils and Cosmetics)
IT    Hair preparations
         (dyes; cosmetic compns. comprising amphoteric surfactants and
         ceramide)
IT    81-13-0, Panthenol   111-60-4, Ethylene glycol monostearate   112-92-5,
      Stearyl alcohol   408-35-5, Sodium palmitate   557-04-0, Magnesium
      stearate   627-83-8, Ethylene glycol distearate   661-19-8, Behenyl
      alcohol   822-16-2, Sodium stearate   2601-98-1, Magnesium palmitate
      6297-03-6, Distearyl ether   9004-34-6D, Cellulose, cationic derivs.
      9004-99-3, Polyethylene glycol monostearate   9005-08-7, Polyethylene
      glycol distearate   12619-70-4, Cyclodextrin   13463-67-7, Titanium oxide,
      biological studies   28301-34-0, 2-Propen-1-aminium, N,N-dimethyl-N-2-
      propenyl-, homopolymer   28675-12-9, Sodium hydroxystearate   28791-69-7
      34354-88-6, N-Stearoyl phytosphingosine   36332-93-1, 18-Methyleicosanoic
      acid   36653-82-4, Cetyl alcohol   40277-04-1   42557-10-8, Dow Corning
      200   54422-45-6   54482-09-6   65497-29-2, Jaguar C13S   78509-74-7,
      1-(Hexadecyloxy)-2-octadecanol   81859-24-7, JR 400   96525-76-7,
      Acrylamide-diallyldimethylammonium copolymer   96673-02-8   110483-07-3
      129426-19-3   130700-51-5 149591-38-8, Questamide H
      150177-00-7   160065-31-6   206052-70-2   232600-21-4, Miranol CSE
      RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
         (cosmetic compns. comprising amphoteric surfactants and ceramide)
IT    149591-38-8, Questamide H
      RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
         (cosmetic compns. comprising amphoteric surfactants and ceramide)
RN    149591-38-8  HCAPLUS
CN    Propanediamide, N,N'-dihexadecyl-N,N'-bis(2-hydroxyethyl)- (9CI)  (CA
      INDEX NAME)
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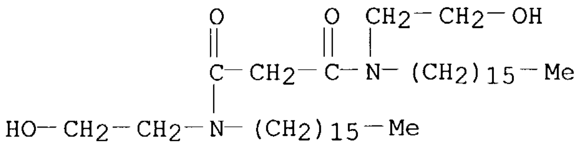

$HO-CH_2-CH_2-N(-(CH_2)_{15}-Me)-C(=O)-CH_2-C(=O)-N(-CH_2-CH_2-OH)-(CH_2)_{15}-Me$

L24 ANSWER 5 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:203801 HCAPLUS
DN 140:240640
TI Photostable cationic organic sunscreen compounds and **compositions** obtained therefrom
IN Chaudhuri, Ratan
PA Merck Patent G.m.b.H., Germany
SO PCT Int. Appl., 36 pp.
CODEN: PIXXD2
DT Patent
LA English

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FAN.CNT 1
     PATENT NO.          KIND  DATE          APPLICATION NO.   DATE
     ---------------     ----  --------      ---------------   --------
PI   WO 2004020398       A1    20040311      WO 2003-EP8807    20030808
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
             PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
             TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
             CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC,
             NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
             GW, ML, MR, NE, SN, TD, TG
     US 2004057911       A1    20040325      US 2002-227943    20020827
PRAI US 2002-227943      A     20020827
OS   MARPAT 140:240640
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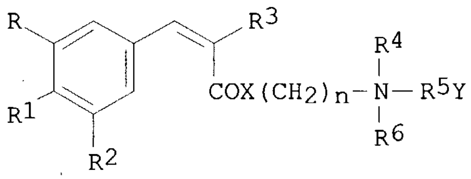
GI



I

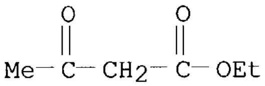
AB Compds. of Formula (I) wherein R1 R1 and R2 are each independently hydrogen or linear or branched C1 to C10 alkyl, or linear or branched C1 to C10 alkoxy; R3 is selected from the group consisting of COCH3, CO2R7, CONH2, CON(R8)2, CN, COX(CH2)n-N-(R4)(R5)(R6), and the quaternized salt form of the formula COX(CH2)n-N-(R4)(R5)(R6)+Y-; X is O or NH; n is an integer of 1 to 5; Y is an anion; R4, R5 and R6 are independently linear or branched C1 to C30 alkyl; and R7 and R8 are independently hydrogen or linear or branched C1-C30 alkyl. Sunscreen formulations containing compds. of Formula I, and methods for protecting hair, skin as well as substrates such as polymers, textiles, fabrics, leathers and paints using the compds. herein. Examples are provided in which the above compds. are used in shampoo formulations, hair conditioners and other formulations providing **hair color** fading resistance.
IC ICM C07C235-34
ICS C07C235-80; C07C255-41; A61K007-42
CC 62-4 (Essential Oils and **Cosmetics**)
Section cross-reference(s): 25
IT Antifoaming agents

Cosmetics
Cosmetics
Dyes
Emulsifying agents
Humectants
Perfumes
Photoprotectants
Pigments, nonbiological
Preservatives
Propellants (sprays and foams)
Skin preparations (pharmaceutical)
Stability
Stabilizing agents
Sunscreens
Surfactants
Thickening agents
UV A radiation
UV B radiation
Waterproofing agents
(photostable sunscreen compds. for **hair** shampoos, conditioners and other cosmetic products)

IT 86-81-7 109-55-7 120-14-9, 3,4-Dimethoxybenzaldehyde **141-97-9**, Ethyl acetoacetate 612493-44-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(photostable sunscreen compds. for hair shampoos, conditioners and other cosmetic products)

IT **141-97-9**, Ethyl acetoacetate
RL: RCT (Reactant); RACT (Reactant or reagent)
(photostable sunscreen compds. for hair shampoos, conditioners and other cosmetic products)

RN 141-97-9 HCAPLUS
CN Butanoic acid, 3-oxo-, ethyl ester (9CI) (CA INDEX NAME)



$$\mathrm{Me{-}\overset{\overset{\displaystyle O}{\|}}{C}{-}CH_2{-}\overset{\overset{\displaystyle O}{\|}}{C}{-}OEt}$$

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 6 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:178169 HCAPLUS
DN 140:222864
TI Method for masking ammonia odor in **hair coloring** agents
IN Suzuki, Katsumasa; Sakuma, Katsuya; Marufuji, Kimiyasu
PA Ogawa and Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 15 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004067598	A2	20040304	JP 2002-229905	20020807
PRAI	JP 2002-229905		20020807		

AB The invention relates to a method for masking ammonia odor generated at

the time of mixing a 1st and 2nd **hair coloring** agents,
wherein the 2nd agent contains defined fragrance which is stable against
H2O2 and ammonia odor-masking property. A fragrance **composition**
containing p-menthane-8-ol 12, 3,7-dimethyl-6-octen-1-ol 12,
ethyl-2-methylbutylate 3, 2,6-dimethyl-7-octen-2-ol 24,
exo-1,7,7-trimethylbicyclo[2.2.1]heptan-2-ylacetate 15,
hexahydro-4,7-methanoinden-5(6)-ylacetate 10, iso-Bu acetate 3,
isoamylacetate 6, hexyleneglycol 5, β-phenoxyethanol 5,
3-methyl-3-methoxybutanol 5 % was formulated. The fragrance **compn**
. was added at 0.1% with polyoxyethylene hydrogenated castor oil 2, H2O2
solution 20, phenacetin 0.1, citric acid 0.02, and water balance to 100 % to
obtain a **hair dye** 2nd agent. The 2nd agent was
combined with a **hair dye** 1st agent containing
p-phenylenediamine 3, resorcin 0.5, 28 % ammonia solution 10, polyoxyethylene
hydrogenated castor oil 2, and water balance to 100 % to test the odor.

IC ICM A61K007-13
ICS A61K007-46

CC 62-3 (Essential Oils and **Cosmetics**)

ST fragrance **hair dye** ammonia odor masking

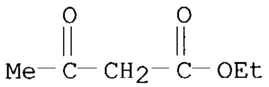
IT **Hair** preparations
(**dyes**; method for masking ammonia odor in **hair coloring** agents with defined fragrances)

IT Human
Odor and Odorous substances
Perfumes
(method for masking ammonia odor in **hair coloring** agents with defined fragrances)

IT 7664-41-7, Ammonia, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(method for masking ammonia odor in **hair coloring** agents with defined fragrances)

IT 60-12-8, Phenylethyl alcohol 66-25-1, Hexanal 78-69-3,
3,7-Dimethyloctan-3-ol 78-70-6, 3,7-Dimethyl-1,6-octadien-3-ol 80-54-6
81-14-1 91-64-5, 1,2-Benzopyrone 93-92-5, α-Methylbenzyl acetate
97-53-0, 2-Methoxy-4-allyl phenol 97-54-1, 2-Methoxy-4-propenyl phenol
97-62-1, Ethyl iso butyrate 97-85-8, Isobutyl-iso butyrate 101-48-4,
Phenyl acetaldehyde dimethylacetal 101-84-8, Diphenyl ether 103-95-7
104-67-6, γ-Undeca lactone 105-37-3, Ethyl propionate 105-54-4,
Ethyl butyrate 106-21-8, 3,7-Dimethyl-1-octanol 106-23-0,
3,7-Dimethyl-6-octen-1-al 106-24-1 107-75-5, 3,7-Dimethyl-7-hydroxyoctanal 109-60-4, Propyl acetate 110-19-0, Isobutyl acetate
110-41-8, Methyl nonyl acetaldehyde 111-12-6, Methyl-2-octynoate
111-80-8, Methyl 2-nonynoate 112-31-2, Decanal 112-44-7, Undecanal
112-45-8, 10-Undecenal 112-54-9, Dodecanal 115-95-7,
3,7-Dimethyl-1,6-octadien-3-ylacetate 118-58-1, Benzyl salicylate
120-72-9, 2,3-Benzopyrrole, biological studies 121-33-5,
4-Hydroxy-3-methoxybenzaldehyde 122-40-7 122-78-1, Phenylacetaldehyde
124-13-0, Octanal 124-19-6, Nonanal 140-11-4, Benzyl acetate
141-78-6, Ethyl acetate, biological studies **141-97-9**, Ethyl
aceto acetate 150-84-5 151-05-3 539-82-2 586-62-9 628-63-7, Amyl
acetate 706-14-9, γ-Decalactone 928-96-1, Cis-3-Hexenol
1205-17-0 1222-05-5 1423-46-7 1845-44-9 2500-83-6 3327-66-0
3407-42-9 3681-71-8, Cis-3-Hexenylacetate 3738-00-9 5421-02-3
6259-76-3, Hexyl salicylate 7452-79-1, Ethyl-2-methyl butyrate
7779-30-8 18479-57-7, 2,6-Dimethyl-2-octanol 21145-77-7, 6-Acetyl-1,
1, 2, 4, 4,7-hexamethyl tetralin 23696-85-7 23787-90-8 24851-98-7
31720-74-8 31906-04-4 32210-23-4, P-tert-Butylcyclohexyl acetate
35044-68-9 36914-56-4 37677-14-8 40910-49-4, 1-Ethoxy-1-(3,7-dimethyl-1,6-octadien-3-yloxy)-ethane 41758-49-0 43052-87-5

```
     54464-57-2   55066-48-3, 3-Methyl-5-phenyl-1-pentanol   59354-71-1
     61088-45-7, 2-Methylaminomethyl benzoate   68039-48-5   68039-49-6
     72117-72-7   72189-25-4   79562-88-2   124899-75-8   141665-40-9
     161403-65-2   663219-77-0   663219-78-1   663219-79-2
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (method for masking ammonia odor in hair coloring
        agents with defined fragrances)
IT   141-97-9, Ethyl aceto acetate
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (method for masking ammonia odor in hair coloring
        agents with defined fragrances)
RN   141-97-9  HCAPLUS
CN   Butanoic acid, 3-oxo-, ethyl ester (9CI)  (CA INDEX NAME)
```



$Me-\overset{\overset{O}{\|}}{C}-CH_2-\overset{\overset{O}{\|}}{C}-OEt$

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L24  ANSWER 7 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2004:119747  HCAPLUS
DN   140:186978
TI   Cosmetic composition comprising an extract of Emblica
     officinalis
IN   Hansenne, Isabelle; Galdi, Angelike; Fares, Hani; Foltis, Sidney P.
PA   USA
SO   U.S. Pat. Appl. Publ., 12 pp.
     CODEN: USXXCO
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.       KIND  DATE          APPLICATION NO.  DATE
     ---------------  ----  --------      ---------------  --------
PI   US 2004028642     A1   20040212      US 2003-424111   20030428
PRAI US 2002-375416P   P    20020426
AB   The present invention concerns cosmetic compns. and methods comprising an
     extract of E. officinalis and at least one ingredient chosen from dihydroxy
     acetone, a dibenzoylmethane derivative, ultrafine particles of zinc oxide,
     ultrafine particles of titanium oxide, astaxanthin, retinoids,
     alpha-hydroxy acids, beta-hydroxy acids, polyhydroxy acids, hydroquinone,
     compds. useful for the treatment of dandruff, hair
     colorants, hair pigments, and hair
     dyes.  The addition of an Emblica extract to these compns. has the
     advantage of increasing their stability and therefore increasing or
     prolonging their effectiveness in such cosmetic compns.  A cosmetic
     composition contained deionized water 74.58, disodium EDTA 0.1, Me
     paraben 0.3, chlorphenesin 0.2, phenoxyethanol 0.7, propylene glycol 4.0,
     glycerin 4.0, xanthan gum 0.07, butylmethoxydibenzoylmethane (avobenzone)
     3.0, octyl salicylate 5.0, propylparaben 0.1, glyceryl stearate and
     PEG-100 1.0, DC 200 (dimethicone) 0.5, stearic acid 1.0, Ganex 220 1.3,
     cyclopentasiloxane 2.0, Pemulen TR-1 0.2, deionized water 1.0,
     triethanolamine 0.45, and E. officinalis extract 0.5%.
IC   ICM  A61K007-06
     ICS  A61K007-13
NCL  424074000; 008406000
CC   62-4 (Essential Oils and Cosmetics)
IT   Polysiloxanes, biological studies
```

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(benzalmalonate- and benzoxazole-substituted; cosmetic **composition** comprising extract of Emblica officinalis)

IT Arctostaphylos viscida
Cosmetics
Dandruff
Fungicides
Paper mulberry (Broussonetia papyrifera)
Sunscreens
(cosmetic **composition** comprising extract of Emblica officinalis)

IT Carboxylic acids, biological studies
Coal tar
Retinoids
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic **composition** comprising extract of Emblica officinalis)

IT **Hair** preparations
(**dyes**; cosmetic **composition** comprising extract of Emblica officinalis)

IT Phyllanthus emblica
(extract; cosmetic **composition** comprising extract of Emblica officinalis)

IT Arctostaphylos patula
(exts.; cosmetic **composition** comprising extract of Emblica officinalis)

IT Cell proliferation
(inhibitors; cosmetic **composition** comprising extract of Emblica officinalis)

IT Carboxylic acids, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(polycarboxylic; cosmetic **composition** comprising extract of Emblica officinalis)

IT Petrolatum
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(red; cosmetic **composition** comprising extract of Emblica officinalis)

IT 69-72-7, Salicylic acid, biological studies 73-31-4, Melatonin 96-26-4, Dihydroxy acetone 103-16-2, Monobenzyl ether hydroquinone 104-28-9, Cinoxate 104-98-3, 3-Imidazol-4-ylacrylic acid 111-42-2, Diethanolamine, biological studies 118-56-9, Homomenthyl salicylate 118-60-5, 2-Ethylhexyl salicylate **120-46-7D**, Dibenzoylmethane, derivs. 123-31-9, Hydroquinone, biological studies 123-99-9, Azelaic acid, biological studies 131-53-3, Dioxybenzone 131-54-4 131-55-5, 2,2',4,4'-Tetrahydroxybenzophenone 131-56-6, 2,4-Dihydroxybenzophenone 131-57-7, 2-Hydroxy-4-methoxybenzophenone 134-20-3, Methyl anthranilate 136-44-7, Glycerol p-aminobenzoate 136-44-7D, derivs. 150-13-0, p-Aminobenzoic acid 150-76-5, 4-Hydroxyanisole 472-61-7, Astaxanthin 497-76-7, Hydroquinone-β-D-glucopyranoside 644-46-2 830-09-1, p-Methoxycinnamic acid 1843-05-6, 2-Hydroxy-4-n-octoxybenzophenone 2174-16-5 4065-45-6, Sulisobenzone 5466-77-3, Ethylhexyl p-methoxycinnamate 6131-38-0 6197-30-4, 2-Ethylhexyl-2-cyano-3,3-diphenylacrylate 7704-34-9, Sulfur, biological studies 13463-41-7, Pyrithione zinc **18362-51-1**, 4,4'-Dimethoxydibenzoylmethane 21245-02-3, 2-Ethylhexyl p-dimethylaminobenzoate 23666-04-8 **25855-99-6** 26495-98-7D, derivs. 27436-80-2, Digalloyl trioleate 27503-81-7, 2-Phenylbenzimidazole-5-sulfonic acid 27538-35-8 30653-05-5 36275-29-3 36861-47-9 38083-17-9, Climbazole 52793-97-2 **55846-72-5** 56039-58-8 56093-45-9, Selenium sulfide 56265-46-4 58817-05-3 59870-68-7, Glabridin **61001-54-5** **63250-25-9**, 4-Isopropyldibenzoylmethane **63250-26-0** **63250-28-2** **63250-29-3** 65277-42-1, Ketoconazole

68890-66-4, Octopirox **70356-09-1,** 4-tert-Butyl-4'-methoxy-dibenzoylmethane 71617-10-2, Isoamyl 4-methoxycinnamate 88122-99-0 91281-32-2, N-Acetyl-4-S-cysteaminylphenol 92761-26-7 **93851-27-5**, 2,6-Dimethyl-4-tert-butyl-4'-methoxydibenzoylmethane **93851-28-6**, 2-Methyl-5-isopropyl-4'-methoxydibenzoylmethane **93851-29-7,** 2-Methyl-5-tert-butyl-4'-methoxydibenzoylmethane **93885-98-4,** 2,4-Dimethyl-4'-methoxydibenzoylmethane 94134-93-7, 4-Isopropylbenzyl salicylate 103597-45-1 113284-00-7, Ethyl 4-bis(hydroxypropyl)aminobenzoate 126045-00-9, Methyl diisopropylcinnamate 154702-15-5 170864-82-1

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic **composition** comprising extract of Emblica officinalis)

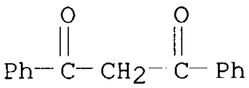
IT 1314-13-2, Zinc oxide, biological studies 13463-67-7, Titanium oxide, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(ultrafine particles; cosmetic **composition** comprising extract of Emblica officinalis)

IT **120-46-7D,** Dibenzoylmethane, derivs. **18362-51-1,**
4,4'-Dimethoxydibenzoylmethane **25855-99-6 55846-72-5**
61001-54-5 63250-25-9, 4-Isopropyldibenzoylmethane
63250-26-0 63250-28-2 63250-29-3
70356-09-1, 4-tert-Butyl-4'-methoxy-dibenzoylmethane
93851-27-5, 2,6-Dimethyl-4-tert-butyl-4'-methoxydibenzoylmethane
93851-28-6, 2-Methyl-5-isopropyl-4'-methoxydibenzoylmethane
93851-29-7, 2-Methyl-5-tert-butyl-4'-methoxydibenzoylmethane
93885-98-4, 2,4-Dimethyl-4'-methoxydibenzoylmethane

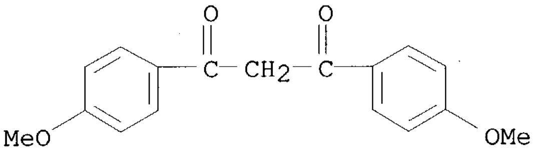
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic **composition** comprising extract of Emblica officinalis)

RN 120-46-7 HCAPLUS
CN 1,3-Propanedione, 1,3-diphenyl- (6CI, 8CI, 9CI) (CA INDEX NAME)

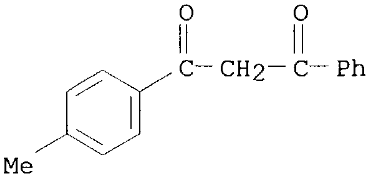


$Ph-C(=O)-CH_2-C(=O)-Ph$

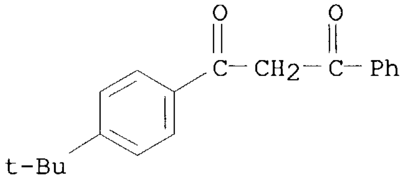
RN 18362-51-1 HCAPLUS
CN 1,3-Propanedione, 1,3-bis(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



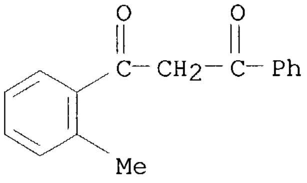
RN 25855-99-6 HCAPLUS
CN 1,3-Propanedione, 1-(4-methylphenyl)-3-phenyl- (9CI) (CA INDEX NAME)



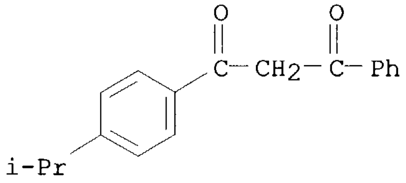
RN 55846-72-5 HCAPLUS
CN 1,3-Propanedione, 1-[4-(1,1-dimethylethyl)phenyl]-3-phenyl- (9CI) (CA INDEX NAME)



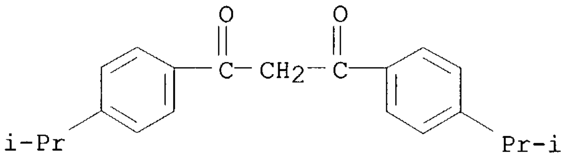
RN 61001-54-5 HCAPLUS
CN 1,3-Propanedione, 1-(2-methylphenyl)-3-phenyl- (9CI) (CA INDEX NAME)



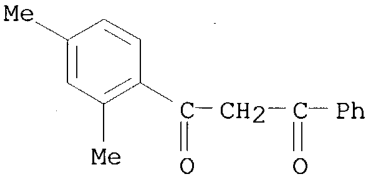
RN 63250-25-9 HCAPLUS
CN 1,3-Propanedione, 1-[4-(1-methylethyl)phenyl]-3-phenyl- (9CI) (CA INDEX NAME)



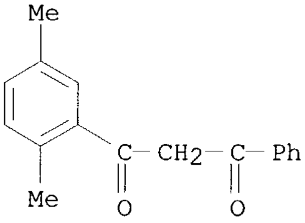
RN 63250-26-0 HCAPLUS
CN 1,3-Propanedione, 1,3-bis[4-(1-methylethyl)phenyl]- (9CI) (CA INDEX NAME)



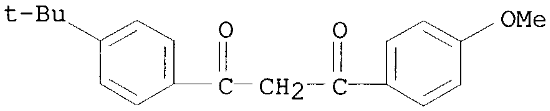
RN 63250-28-2 HCAPLUS
CN 1,3-Propanedione, 1-(2,4-dimethylphenyl)-3-phenyl- (9CI) (CA INDEX NAME)



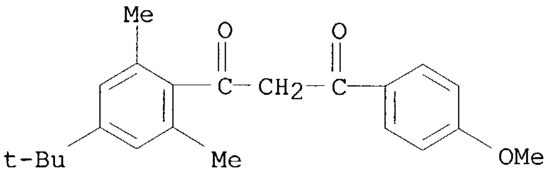
RN 63250-29-3 HCAPLUS
CN 1,3-Propanedione, 1-(2,5-dimethylphenyl)-3-phenyl- (9CI) (CA INDEX NAME)



RN 70356-09-1 HCAPLUS
CN 1,3-Propanedione, 1-[4-(1,1-dimethylethyl)phenyl]-3-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



RN 93851-27-5 HCAPLUS
CN 1,3-Propanedione, 1-[4-(1,1-dimethylethyl)-2,6-dimethylphenyl]-3-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



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RN   93851-28-6   HCAPLUS
CN   1,3-Propanedione, 1-(4-methoxyphenyl)-3-[2-methyl-5-(1-methylethyl)phenyl]-
      (9CI)  (CA INDEX NAME)
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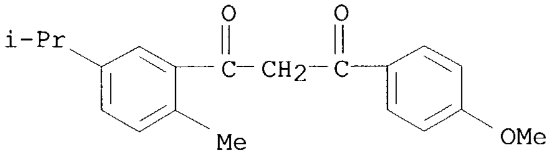

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RN   93851-29-7   HCAPLUS
CN   1,3-Propanedione, 1-[5-(1,1-dimethylethyl)-2-methylphenyl]-3-(4-
     methoxyphenyl)- (9CI)  (CA INDEX NAME)
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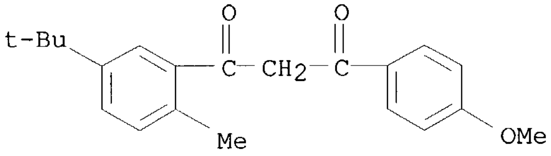

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RN   93885-98-4   HCAPLUS
CN   1,3-Propanedione, 1-(2,4-dimethylphenyl)-3-(4-methoxyphenyl)- (9CI)  (CA
     INDEX NAME)
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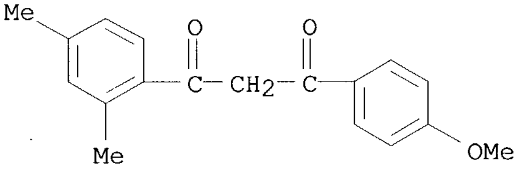

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L24  ANSWER 8 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2003:685982  HCAPLUS
DN   139:202095
TI   Hair dyes containing iron salts and plant extracts
IN   Yagi, Nobuo; Iwasaki, Hiroyuki; Yanagida, Yasuhiro; Uchida, Kota
PA   Picaso Cosmetic Laboratory Ltd., Japan
SO   Jpn. Kokai Tokkyo Koho, 5 pp.
     CODEN: JKXXAF
DT   Patent
LA   Japanese
FAN.CNT 1
     PATENT NO.        KIND  DATE          APPLICATION NO.  DATE
     ---------------   ----  --------      ---------------  --------
PI   JP 2003246716      A2   20030902      JP 2002-47287    20020225
PRAI JP 2002-47287           20020225
AB   Hair dyes contain Fe salts, organic compds. which react
     with the Fe salts to develop color, plant exts. which react with the Fe
     salts to develop color, organic acids, and tea dry distillates and/or Cnidium
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officinale exts. A dye **composition** containing tannic acid 1.0, Arctostaphylos uva-ursi extract 3.0, citric acid 0.2, ascorbic acid 0.2, L-Cys.HCl 0.2, EtOH 5.0, $Fe_2(SO_4)_3$ 5.0, tea dry distillate 0.5, and H_2O 84.9 weight% showed good fabric-dyeing effect and no skin irritation.

IC ICM A61K007-13
ICS D06P003-04

CC 62-3 (Essential Oils and **Cosmetics**)

ST **hair dye** iron salt plant ext; org acid tea distillate **hair dye**; Cnidium ext iron salt **hair dye**

IT Tea products
(beverages, black, exts.; nonirritant **hair dyes** containing iron salts, plant exts., and organic compds.)

IT Tea products
(beverages, green, exts.; nonirritant **hair dyes** containing iron salts, plant exts., and organic compds.)

IT Tea products
(beverages, oolong, exts.; nonirritant **hair dyes** containing iron salts, plant exts., and organic compds.)

IT Tea (Camellia sinensis)
(dry distillates; nonirritant **hair dyes** containing iron salts, plant exts., and organic compds.)

IT **Hair** preparations
(**dyes**; nonirritant **hair dyes** containing iron salts, plant exts., and organic compds.)

IT Arctostaphylos uva-ursi
Areca catechu
Aster tataricus
Astragalus sinicus
Caesalpinia echinata
Caesalpinia sappan
Cinnamomum cassia
Cnidium officinale
Coptis
Crataegus cuneata
Curcuma longa
Gentiana
Geranium thunbergii
Haematoxylon campechianum
Houttuynia cordata
Lawsonia inermis
Leonurus sibiricus
Lonicera japonica
Lyonia neziki
Mallotus japonicus
Melissa officinalis
Morus alba
Myrica rubra
Nuphar japonicum
Peony (Paeonia)
Peony (Paeonia suffruticosa)
Phellodendron amurense
Platycladus orientalis
Polygonum sachalinense
Pomegranate
Prunella vulgaris
Rhus chinensis
Rosemary
Rubia akane

Sambucus sieboldiana
Sanguisorba officinalis
Saxifraga stolonifera
Scutellaria baicalensis
Senna (Cassia angustifolia)
St.-John's-wort (Hypericum erectum)
Syzygium aromaticum
Terminalia chebula
Tribulus terrestris
Tussilago farfara
Uncaria gambier
Walnut
Yarrow (Achillea millefolium)
(exts.; nonirritant **hair dyes** containing iron salts, plant exts., and organic compds.)

IT Human
(nonirritant **hair dyes** containing iron salts, plant exts., and organic compds.)

IT Carboxylic acids, biological studies
Flavanols
Tannins
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(nonirritant **hair dyes** containing iron salts, plant exts., and organic compds.)

IT Vitis vinifera
(red grape, exts.; nonirritant **hair dyes** containing iron salts, plant exts., and organic compds.)

IT 50-21-5, Lactic acid, biological studies 50-81-7, Ascorbic acid, biological studies 64-19-7, Acetic acid, biological studies 69-72-7, Salicylic acid, biological studies 69-93-2, Uric acid, biological studies 72-48-0, Alizarin 77-92-9, Citric acid, biological studies 79-09-4, Propionic acid, biological studies 81-54-9, Purpurin 83-72-7, 2-Hydroxy-1,4-naphthoquinone 84-11-7, Phenanthraquinone 87-69-4, Tartaric acid, biological studies 88-99-3, Phthalic acid, biological studies 107-92-6, Butyric acid, biological studies 108-73-6, Phloroglucin 110-15-6, Succinic acid, biological studies 110-16-7, Maleic acid, biological studies 110-17-8, Fumaric acid, biological studies 110-94-1, Glutaric acid 117-39-5, Quercetin 120-80-9, Catechol, biological studies 124-04-9, Adipic acid, biological studies 130-15-4, 1,4-Naphthalenedione 141-82-2, Malonic acid, biological studies 149-91-7, Gallic acid, biological studies 153-18-4, Rutin 437-50-3, Gentisin **458-37-7**, Curcumin 474-07-7, Brazilin 475-25-2, Hematein 476-66-4, Ellagic acid 481-39-0, 5-Hydroxy-1,4-naphthoquinone 482-35-9, Isoquercetin 517-89-5, Shikonin 1260-17-9, Carminic acid 1834-30-6, Ferric acetate 2086-83-1, Berberine 2934-97-6, Tetrahydropalmatine 3094-87-9, Ferrous acetate 3486-67-7, Palmatine 6915-15-7, Malic acid 7659-95-2, Betanin 7705-08-0, Ferric chloride, biological studies 7720-78-7, Ferrous sulfate 7758-94-3, Ferrous chloride 10028-22-5, Ferric sulfate 23410-80-2, Shisonin 36338-96-2, Carthamin 60687-93-6, Laccaic acid
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(nonirritant **hair dyes** containing iron salts, plant exts., and organic compds.)

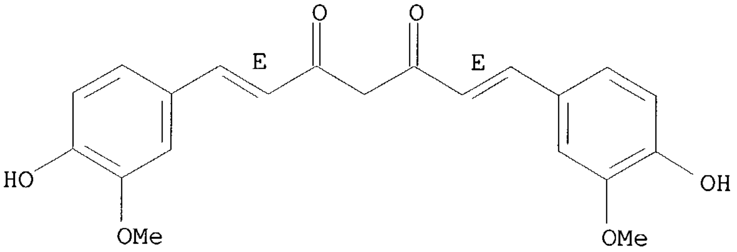
IT **458-37-7**, Curcumin
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(nonirritant **hair dyes** containing iron salts, plant exts., and organic compds.)

RN 458-37-7 HCAPLUS

CN 1,6-Heptadiene-3,5-dione, 1,7-bis(4-hydroxy-3-methoxyphenyl)-, (1E,6E)-

(9CI) (CA INDEX NAME)

Double bond geometry as shown.



L24 ANSWER 9 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:678636 HCAPLUS
DN 139:218935
TI Ceramides in hair care **compositions**
IN Watkins, Stephen; Eyre, Heather
PA Quest International B.V., Neth.
SO PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003070209	A1	20030828	WO 2003-GB483	20030204

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD,
RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC,
NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG

PRAI GB 2002-4133 A 20020222

AB A non-oxidative **hair coloring composition**, comprises ceramide or functionally similar related material, in the absence of phytantriol. The invention also provides a method of improving the **coloring** effects of non-oxidative **hair coloring** compns., comprising application to the **hair** (during or after **dyeing**) of ceramide or functionally similar related material, in the absence of phytantriol. The invention also covers use of ceramide or functionally similar related material for the purpose of improving the **coloring** effects of a non-oxidative **hair dye**. The invention can be put into effect by incorporating ceramide or functionally similar related material into a hair care **composition** for use during non-oxidative dying of **hair**, where it acts to improve **dye** deposition onto **hair**, or into a **composition** for use on **hair** after **dyeing** by a non-oxidative method, e.g. a shampoo or conditioner **composition**, to help maintain the **color** of **dyed hair**. Good results have been obtained with the ceramide materials

Questamide H, Ceramide II and Questamix H. Thus, a formulation contained Texapon NSO/IS 35, Tegobetaine-F50 10, Empilan CDE 2m NaCl 2.1, Questamide H 0.1, and water 50.8%.

IC ICM A61K007-13
ICS A61K007-06

CC 62-3 (Essential Oils and **Cosmetics**)

ST ceramide hair formulation; **dye hair** ceramide

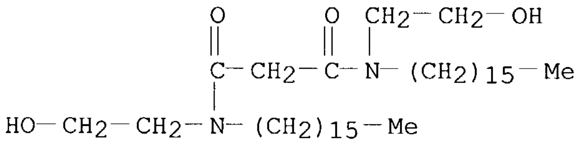
IT **Hair** preparations
(**dyes**; ceramides in **hair** care compns.)

IT 2304-80-5, Ceramide 2 129426-19-3, Ceramide II **149591-38-8**
588730-44-3, Questamix H
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(ceramides in hair care compns.)

IT **149591-38-8**
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(ceramides in hair care compns.)

RN 149591-38-8 HCAPLUS

CN Propanediamide, N,N'-dihexadecyl-N,N'-bis(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 10 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 2003:371661 HCAPLUS

DN 138:390526

TI Odor masking **compositions** containing fragrant substances for **hair** cosmetics

IN Kawasaki, Kiyomitsu

PA Japan

SO Jpn. Kokai Tokkyo Koho, 81 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003137758	A2	20030514	JP 2001-330894	20011029
PRAI	JP 2001-330894		20011029		

AB The compns., useful for permanent wave agents, **hair dyes**, etc., contain ≥1 fragrances chosen from hydrocarbons, alcs., phenols, aldehydes and/or acetals, ketones and/or ketals, ethers, synthetic musks, acids, lactones, esters, N-, S-, and/or halogen-containing compds., and natural fragrances. A fragrance **composition** was prepared from 1,3,5-undecatriene 10, 10-undecenol 10, 1-octen-3-ol 10, 10-undecenal 10, 2,4-decadienal 10, 1,8-cineole 10, phenylacetic acid (1%) 10, 1-ethynylcyclohexyl acetate 10, 1-octen-3-yl acetate 5, 2-ethylhexyl acetate 10, and Abies fir oil 5 weight parts.

IC ICM A61K007-46
ICS A61K007-06; A61K007-09; A61K007-13

CC 62-3 (Essential Oils and **Cosmetics**)

ST odor masking fragrance **hair** cosmetic; permanent wave agent odor
masking fragrance; **hair dye** odor masking fragrance
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Abies fir; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Ambrette seed; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Amyris; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Angelica; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Calamus; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Cascarilla; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Cassia China; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Cinnamone Ceylon; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Ciste labdanum; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Civet; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Clove Bourbon; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Codium fragile; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Elemi; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Galbanum; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Geranium glass; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Ginger glass; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Guaiac; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Hinoki; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Ho wood; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Hyacinth; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Jonquilla; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Laurel; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Lavandin; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Lovage; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Melissa; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Mimosa; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Narcissus; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Oak moss; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Opoponax; odor masking compns. containing fragrant substances for **hair** cosmetics)

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IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (Pennyroyal; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (Pepper; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Balsams
     Balsams
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (Peru; odor masking compns. containing fragrant substances for hair
        cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (Pimento berry; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (Roman chamomile; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (Rose Bulgaria; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (Rosewood; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (Spike lavender; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (Styrax; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (Sweet fennel; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (Tolu balsam; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (Tonka beans; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (Tuberose; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (Verbena; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
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        (Vetiver Bourbon; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (Vetiver oil Java; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (Violet leave; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Cucumis sativus
     Pineapple (Ananas comosus)
        (aldehyde of; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Cocos nucifera
        (aldehyde; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Waxes
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (ambergris, tincture; odor masking compns. containing fragrant substances
        for hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (anise; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (basil, Ocimum basilicum; odor masking compns. containing fragrant
        substances for hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (bay; odor masking compns. containing fragrant substances for hair
        cosmetics)
IT   Essential oils
     Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (bergamot; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (bitter almond; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (buchu; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (camphor; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (caraway; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (cardamom; odor masking compns. containing fragrant substances for
        hair cosmetics)
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IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cassia, Cananga Java; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cassia; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Secretions (external)
(castoreum, resinoid; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cedarwood; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(celery; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(chamomile; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(citronella; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(clove; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Balsams
Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(copaiba; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(coriander seed; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(costus; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cumin; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cypress; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT **Hair** preparations
(**dyes**; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(eucalyptus; odor masking compns. containing fragrant substances for **hair** cosmetics)

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IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (fennel; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Musks
        (fragrances; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Acetals
     Alcohols, biological studies
     Aldehydes, biological studies
     Carboxylic acids, biological studies
     Esters, biological studies
     Ethers, biological studies
     Hydrocarbons, biological studies
     Ketals
     Ketones, biological studies
     Lactones
     Phenols, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (fragrances; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (geranium; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (ginger; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (guaiac wood; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (hiba wood; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (hyssop; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (incense oil; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (jasmine; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (juniper, Juniperus communis berry; odor masking compns. containing
        fragrant substances for hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (labdanum; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
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     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (lavender; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (lemon; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (lemongrass; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (lime; odor masking compns. containing fragrant substances for hair
        cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (mandarin orange; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (mandarin; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (marjoram; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Fats and Glyceridic oils, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (nutmeg butter; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (nutmeg; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Hair preparations
     Perfumes
     Sage (Salvia)
     Wintergreen
        (odor masking compns. containing fragrant substances for hair
        cosmetics)
IT   Paraffin oils
     Polyoxyalkylenes, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (odor masking compns. containing fragrant substances for hair
        cosmetics)
IT   Aldehydes, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (of pineapple or coconut; odor masking compns. containing fragrant
        substances for hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (orange flow; odor masking compns. containing fragrant substances for
        hair cosmetics)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (orange, sour; odor masking compns. containing fragrant substances for
        hair cosmetics)
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IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(orange, sweet; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(parsley; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(patchouli; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(peppermint; odor masking compns. containing fragrant substances for
hair cosmetics)
IT **Hair** preparations
(permanent wave; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(petigrain Paraguay; odor masking compns. containing fragrant substances
for **hair** cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(petigrain; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(petitgrain; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(pine; odor masking compns. containing fragrant substances for **hair**
cosmetics)
IT Vanilla
(resinoid; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(rosemary; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(rue; odor masking compns. containing fragrant substances for **hair**
cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(sage, Salvia officinalis; odor masking compns. containing fragrant
substances for **hair** cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(sandalwood; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(spearmint; odor masking compns. containing fragrant substances for
hair cosmetics)
IT Essential oils

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(tangerine; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(tarragon; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(thyme, Thymus vulgaris; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Balsams
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(tolu; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(vanilla; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(wintergreen; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(ylang-ylang; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT 124-13-0, Aldehyde C 8
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(Aldehyde C 8; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT 31244-58-3, Octalin
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(formate derivative; odor masking compns. containing fragrant substances for **hair** cosmetics)

IT 50-21-5, Lactic acid, biological studies 57-06-7, Allyl isothiocyanate 57-11-4, Stearic acid, biological studies 57-55-6, Propylene glycol, biological studies 60-12-8, β-Phenylethyl alcohol 60-29-7, Diethyl ether, biological studies 60-33-3, Linolic acid, biological studies 64-19-7, Acetic acid, biological studies 65-85-0, Benzoic acid, biological studies 66-25-1, Hexanal 67-47-0, 5-(Hydroxymethyl)-2-furfural 67-64-1, Acetone, biological studies 68-11-1, Mercaptoacetic acid, biological studies 72-18-4, Valine, biological studies 75-07-0, Acetaldehyde, biological studies 75-18-3, Dimethyl sulfide 75-33-2, Isopropyl mercaptan 76-22-2, Camphor 77-53-2, Cedrol 77-54-3, Cedryl acetate 77-73-6, Dicyclopentadiene 77-83-8, Ethylmethylphenyl glycidate 77-92-9, Citric acid, biological studies 77-93-0, Triethyl citrate 78-35-3, Linalyl isobutyrate 78-36-4, Linalyl butyrate 78-37-5, Linalyl cinnamate 78-69-3, Tetrahydrolinalool 78-70-6, Linalool 78-79-5, Isoprene, biological studies 78-93-3, 2-Butanone, biological studies 79-09-4, Propionic acid, biological studies 79-20-9, Methyl acetate 79-31-2, Isobutyric acid 79-78-7, Allyl α-ionone 79-92-5, Camphene 80-26-2 80-27-3 80-54-6, Lilial 80-56-8, α-Pinene 80-57-9, Verbenone 80-59-1, Tiglic acid 80-71-7, Cyclotene 83-34-1, Skatole 83-66-9, Musk ambrette 83-86-3, Phytic acid 84-66-2, Diethyl phthalate 85-91-6, Methyl N-methylanthranilate 87-19-4, Isobutyl salicylate 87-20-7, Isoamyl salicylate 87-22-9 87-25-2, Ethyl anthranilate 87-29-6, Cinnamyl anthranilate 87-44-5, β-Caryophyllene 87-69-4, Tartaric acid, biological studies 87-91-2, Diethyl tartrate 88-09-5, 2-Ethylbutyric acid 88-29-9, Versalide 88-41-5, o-tert-Butylcyclohexyl acetate 88-84-6, Guaiene 89-43-0 89-79-2, Isopulegol 89-80-5, Menthone 89-81-6, Piperitone 89-82-7 89-83-8, Thymol 90-02-8, Salicylaldehyde, biological studies 90-05-1, Guaiacol 90-17-5, Rose phenone 90-87-9, Hydrotropaldehyde dimethyl acetal 91-10-1, 2,6-Dimethoxyphenol 91-16-7, 1,2-Dimethoxybenzene 91-17-8, Decalin 91-20-3, Naphthalene, biological studies 91-22-5, Quinoline, biological studies 91-60-1, 2-Naphthyl mercaptan 91-61-2 91-64-5, Coumarin 91-87-2, α-Amylcinnamic aldehyde dimethyl acetal 92-48-8, 6-Methylcoumarin 92-52-4, Biphenyl, biological studies 93-04-9, β-Naphthyl methyl ether 93-08-3, 2'-Acetonaphthone 93-15-2, Methyleugenol 93-16-3, Methylisoeugenol 93-18-5, β-Naphthyl ethyl ether 93-19-6, 2-Isobutylquinoline 93-28-7, Acetyl eugenol 93-29-8, Acetyl isoeugenol 93-51-6, Creosol 93-55-0, Propiophenone 93-58-3, Methyl benzoate 93-60-7, Methyl nicotinate 93-89-0, Ethyl benzoate 93-92-5, Styrallyl acetate 94-30-4, Ethyl p-anisate 94-46-2, Isoamyl benzoate 94-47-3, Phenylethyl benzoate 94-48-4, Geranyl benzoate 94-59-7, Safrole 94-62-2, Piperine 94-86-0 95-16-9, Benzothiazole 95-21-6, 2-Methylbenzoxazole 96-04-8, 2,3-Heptanedione 96-17-3, 2-Methylbutanal 96-48-0, γ-Butyrolactone 96-54-8, 1-Methylpyrrole 97-42-7, Carvyl acetate 97-45-0 97-53-0, Eugenol 97-54-1, Isoeugenol 97-62-1, Ethyl isobutyrate 97-64-3, Ethyl lactate 97-85-8, Isobutyl isobutyrate 97-87-0, Butyl isobutyrate 97-89-2, Citronellyl isobutyrate 98-00-0, Furfuryl alcohol 98-01-1, Furfural, biological studies 98-02-2, Furfuryl mercaptan 98-52-2 98-53-3, p-tert-Butylcyclohexanone 98-82-8, Cumene 98-85-1, Styralyl alcohol 98-86-2, Acetophenone, biological studies 99-48-9, Carveol 99-72-9 99-83-2, α-Phellandrene 99-87-6, p-Cymene 100-06-1, p-Methoxyacetophenone 100-21-0, Terephthalic acid, biological studies 100-42-5, Styrene, biological studies 100-51-6, Benzyl alcohol, biological studies 100-52-7, Benzaldehyde, biological studies 100-66-3, Methoxybenzene, biological studies 100-86-7, Dimethylbenzylcarbinol 101-39-3, α-Methylcinnamic aldehyde 101-41-7, Methylphenyl acetate 101-48-4, Phenylacetaldehyde dimethyl acetal 101-81-5, Diphenylmethane 101-84-8, Diphenyl oxide 101-85-9, α-Amylcinnamic alcohol 101-86-0 101-94-0, p-Cresylphenyl acetate 101-97-3, Ethylphenyl acetate 102-04-5, Dibenzyl ketone 102-13-6, Isobutylphenyl acetate 102-16-9, Benzylphenyl acetate 102-20-5, Phenylethyl phenylacetate 102-22-7, Geranylphenyl acetate 102-76-1, Triacetin 103-05-9, 1,1-Dimethyl-3-phenylpropanol 103-07-1, Dimethylphenylethylcarbinyl acetate 103-09-3, 2-Ethylhexyl acetate 103-26-4, Methyl cinnamate 103-28-6, Benzyl isobutyrate 103-36-6, Ethyl cinnamate 103-37-7, Benzyl butyrate 103-38-8, Benzyl isovalerate 103-41-3, Benzyl cinnamate 103-45-7 103-48-0 103-50-4, Dibenzyl ether 103-52-6 103-53-7 103-54-8, Cinnamyl acetate 103-56-0, Cinnamyl propionate 103-58-2, 3-Phenylpropyl isobutyrate 103-59-3, Cinnamyl isobutyrate 103-60-6 103-61-7, Cinnamyl butyrate 103-82-2, Phenylacetic acid, biological studies 103-93-5, p-Cresyl isobutyrate 103-95-7, Cyclamenaldehyde 104-09-6, p-Methylphenylacetaldehyde 104-27-8, α-Methylanisalacetone 104-46-1, Anethole 104-50-7, γ-Octalactone 104-53-0, Benzenepropanal 104-54-1, Cinnamic alcohol 104-55-2, Cinnamic aldehyde 104-57-4, Benzyl formate 104-61-0, γ-Nonalactone 104-62-1 104-65-4, Cinnamyl formate 104-67-6, γ-Undeca lactone 104-76-7, 2-Ethylhexanol 104-87-0 104-90-5, 5-Ethyl-2-methylpyridine 104-93-8, p-Methylanisole 105-01-1, Isobutyl 2-furanpropionate 105-13-5, p-Anisyl alcohol 105-21-5, γ-Heptalactone 105-37-3, Ethyl propionate **105-53-3**, Diethyl malonate 105-54-4, Ethyl butyrate 105-57-7, Acetaldehyde

diethyl acetal 105-66-8, Propyl butyrate 105-68-0, Isoamyl propionate 105-79-3, Isobutyl hexanoate 105-85-1, Citronellyl formate 105-86-2, Geranyl formate 105-87-3, Geranyl acetate 105-89-5, Rhodinyl propionate 105-90-8, Geranyl propionate 105-91-9, Neryl propionate 105-95-3, Ethylene brassylate 106-02-5, Pentalide 106-18-3, Butyl dodecanoate 106-21-8, 3,7-Dimethyl-1-octanol 106-22-9, Citronellol 106-23-0, Citronellal 106-24-1, Geraniol 106-25-2, Nerol 106-26-3, Neral 106-27-4, Isoamyl butyrate 106-29-6, Geranyl butyrate 106-30-9, Ethyl heptanoate 106-32-1, Ethyl caprylate 106-33-2, Ethyl dodecanoate 106-35-4, 3-Heptanone 106-36-5, Propyl propionate 106-44-5, p-Cresol, biological studies 106-46-7 106-65-0, Dimethyl succinate 106-68-3, 3-Octanone 106-70-7, Methyl caproate 106-72-9, Melonal 106-73-0, Methyl heptanoate 107-21-1, Ethylene glycol, biological studies 107-41-5, Hexylene glycol 107-75-5, Hydroxycitronellal 107-87-9, 2-Pentanone 107-88-0, Butane-1,3-diol 107-92-6, Butyric acid, biological studies 108-21-4, Isopropyl acetate 108-29-2, γ-Valerolactone 108-48-5, 2,6-Lutidine
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(odor masking compns. containing fragrant substances for **hair** cosmetics)

IT 108-50-9, 2,6-Dimethylpyrazine 108-64-5, Ethyl isovalerate 108-94-1, Cyclohexanone, biological studies 109-08-0, 2-Methylpyrazine 109-15-9, Octyl isobutyrate 109-19-3, Butyl isovalerate 109-20-6, Geranyl isovalerate 109-21-7, Butyl butyrate 109-29-5, Cyclohexadecanolide 109-42-2, Butyl 10-undecenoate 109-52-4, Valeric acid, biological studies 109-60-4, Propyl acetate 109-86-4, Ethylene glycol monomethyl ether 109-94-4, Ethyl formate 109-99-9, Tetrahydrofuran, biological studies 110-01-0, Tetrahydrothiophene 110-02-1, Thiophene 110-12-3 110-15-6, Succinic acid, biological studies 110-16-7, Maleic acid, biological studies 110-17-8, Fumaric acid, biological studies 110-19-0, Isobutyl acetate 110-27-0, Isopropyl myristate 110-38-3, Ethyl caprinate 110-39-4, Octyl butyrate 110-40-7, Diethyl sebacate 110-41-8, 2-Methylundecanal 110-42-9, Methyl decanoate 110-43-0, 2-Heptanone 110-45-2, Isoamyl formate 110-54-3, Hexane, biological studies 110-62-3, Pentanal 110-71-4, Ethylene glycol dimethyl ether 110-74-7, Propyl formate 110-80-5, Ethylene glycol monoethyl ether 110-82-7, Cyclohexane, biological studies 110-83-8, Cyclohexene, biological studies 110-86-1, Pyridine, biological studies 110-89-4, Piperidine, biological studies 110-93-0, Methylheptenone 110-94-1, Glutaric acid 111-11-5, Methyl caprylate 111-13-7, 2-Octanone 111-14-8, Heptanoic acid 111-29-5, Pentamethylene glycol 111-46-6, Diethylene glycol, biological studies 111-55-7, Ethylene glycol Diacetate 111-61-5, Ethyl stearate 111-62-6, Ethyl oleate 111-65-9, Octane, biological studies 111-70-6, 1-Heptanol 111-71-7, Heptanal 111-76-2, Ethylene glycol monobutyl ether 111-77-3, Diethylene glycol monomethyl ether 111-79-5, Methyl 2-nonenoate 111-82-0, Methyl laurate 111-84-2, Nonane 111-87-5, Octanol, biological studies 111-90-0, Diethylene glycol monoethyl ether 111-96-6, Diethylene glycol dimethyl ether 112-05-0, Nonanoic acid 112-06-1, Heptyl acetate 112-07-2, Ethylene glycol Monobutyl ether acetate 112-12-9, 2-Undecanone 112-14-1, Octyl acetate 112-17-4, Decyl acetate 112-30-1, 1-Decanol 112-31-2, Decanal 112-32-3, Octyl formate 112-34-5, Diethylene glycol monobutyl ether 112-36-7, Diethylene glycol diethyl ether 112-37-8, Undecanoic acid 112-38-9, Undecylenic acid 112-40-3, Dodecane 112-43-6, 10-Undecenol 112-44-7, Undecanal 112-45-8, 10-Undecenal 112-48-1, Ethylene glycol dibutyl ether 112-53-8, 1-Dodecanol 112-54-9, Dodecanal 112-62-9, Methyl oleate 112-66-3, Dodecyl acetate 112-73-2, Diethylene glycol dibutyl ether 112-80-1, Oleic acid, biological studies 115-10-6, Dimethyl ether 115-18-4, Dimethylvinylcarbinol 115-95-7, Linalyl acetate 115-99-1, Linalyl formate 116-26-7, Safranal 116-53-0, 2-Methylbutyric acid 116-66-5, Moskene 118-55-8, Phenyl salicylate 118-58-1, Benzyl salicylate 118-61-6, Ethyl salicylate 118-71-8, Maltol 119-36-8, Methyl salicylate 119-61-9, Benzophenone, biological studies 119-64-2, Tetralin 119-65-3, Isoquinoline 119-84-6 120-11-6, Benzylisoeugenol 120-14-9, Methylvanillin 120-24-1, Isoeugenylphenyl acetate 120-50-3, Isobutyl benzoate 120-51-4, Benzyl benzoate 120-57-0, Heliotropine 120-58-1, Isosafrole 120-72-9, Indole, biological studies 120-92-3, Cyclopentanone 121-32-4, Ethylvanillin 121-33-5, Vanillin 121-34-6, Vanillic acid 121-39-1, Ethyl 3-phenylglycidate 121-98-2 122-00-9, p-Methylacetophenone 122-03-2, Cuminaldehyde 122-40-7 122-43-0, Butylphenyl acetate 122-48-5, 4-(4-Hydroxy-3-methoxyphenyl)-2-butanone 122-57-6, Benzylidene acetone 122-63-4, Benzyl propionate 122-67-8, Isobutyl cinnamate 122-69-0, Cinnamyl cinnamate 122-70-3, Phenylethyl propionate 122-72-5, 3-Phenylpropyl acetate 122-73-6, Isoamyl benzyl ether 122-74-7, 3-Phenylpropyl propionate 122-78-1, Phenylacetaldehyde 122-84-9 122-91-8, Anisyl formate 122-97-4, Hydrocinnamic alcohol 122-99-6, Phenoxyethyl alcohol 123-07-9, p-Ethylphenol 123-11-5, p-Methoxybenzaldehyde, biological studies 123-19-3, 4-Heptanone 123-25-1, Diethyl succinate 123-29-5, Ethyl nonanoate 123-32-0, 2,5-Dimethylpyrazine 123-35-3, 7-Methyl-3-methylene-1,6-octadiene 123-42-2, Diacetone alcohol 123-63-7, Paraldehyde 123-66-0, Ethyl caproate 123-68-2, Allyl caproate 123-69-3, Musk ambrette 123-75-1, Tetrahydropyrrole, biological studies 123-76-2, Levulic acid 123-86-4, Butyl acetate 123-92-2, Isoamyl acetate 123-95-5, Butyl stearate 123-96-6, 2-Octanol 124-06-1, Ethyl myristate 124-07-2, Octanoic acid, biological studies 124-10-7, Methyl myristate 124-18-5, Decane 124-19-6, Nonanal 124-25-4, Tetradecanal 124-76-5, Isoborneol 125-12-2, Isobornyl acetate 126-30-7, Neopentyl glycol 126-64-7, Linalyl benzoate 127-17-3, Pyruvic acid, biological studies 127-91-3, β-Pinene 128-50-7, Nopol 128-51-8, Nopyl acetate 130-95-0, Quinine 131-11-3, Dimethyl phthalate 133-18-6, Phenylethyl anthranilate 134-09-8, Menthyl anthranilate 134-20-3, Methyl anthranilate 134-28-1, Guaiac acetate 135-02-4, o-Methoxybenzaldehyde 135-79-5, 6-Isopropylquinoline 137-00-8, 4-Methyl-5-thiazoleethanol 137-03-1, 2-Heptylcyclopentanone 137-06-4, o-Thiocresol 138-22-7, Butyl lactate 138-23-8, Rhodinyl isobutyrate 138-86-3, Limonene 138-86-3D, Limonene, thiol derivs. 139-70-8, Citronellyl phenylacetate 140-11-4, Benzyl acetate 140-25-0, Benzyl dodecanoate 140-26-1, Phenylethyl isovalerate 140-27-2, Cinnamyl isovalerate 140-29-4, Benzyl cyanide 140-39-6 140-67-0, 4-Allyl anisole 140-88-5, Ethyl acrylate 141-09-3, Rhodinyl formate 141-10-6, Pseudoionone 141-11-7 141-12-8, Neryl acetate 141-14-0, Citronellyl propionate 141-15-1, Rhodinyl butyrate 141-16-2, Citronellyl butyrate 141-27-5, Geranial 141-28-6, Diethyl adipate 141-78-6, Ethyl acetate, biological studies **141-79-7**, Mesityl oxide 141-82-2, Malonic acid, biological studies **141-97-9**, Ethyl acetoacetate 142-19-8, Allyl heptanoate 142-62-1, Hexanoic acid, biological studies 142-82-5, Heptane, biological studies 142-92-7, Hexyl acetate 143-07-7, Dodecanoic acid, biological studies 143-08-8, Nonyl alcohol 143-13-5, Nonyl acetate 144-39-8, Linalyl propionate 144-62-7, Oxalic acid, biological studies 149-57-5, 2-Ethylhexanoic acid 150-78-7, Hydroquinone dimethyl ether 150-84-5, Citronellyl acetate 150-86-7, Phytol 151-05-3, Dimethylbenzylcarbinyl acetate 151-10-0, 1,3-Dimethoxybenzene 151-19-9, 3,6-Dimethyloctan-3-ol 182-99-0, 2-Oxaspiro[4.7]dodecane 271-16-9, 2H-Furo[3,4-b]pyran 279-23-2, Norbornane 281-23-2, Adamantane 288-47-1, Thiazole 290-37-9, Pyrazine 326-61-4, Heliotropyl acetate 334-48-5, Decanoic acid

350-03-8, 3-Acetylpyridine 404-86-4, Capsaicin 431-03-8, Diacetyl 459-80-3, Geranic acid 463-40-1, Linolenic acid 465-24-7, Juniperol 470-67-7, 1,4-Cineole 470-82-6, 1,8-Cineole 472-97-9, β-Caryophyllene alcohol 475-20-7, Longifolene 488-10-8, cis-Jasmone 490-03-9 491-09-8, Piperitenone

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(odor masking compns. containing fragrant substances for **hair** cosmetics)

IT 491-35-0, 4-Methylquinoline 495-62-5, Bisabolene 496-77-5, 5-Hydroxy-4-octanone 498-00-0, Vanillyl alcohol 498-16-8, Lavandulol 498-62-4, 3-Thiophenecarboxaldehyde 498-66-8, Norbornene 498-81-7, Dihydro-α-terpineol 499-44-5, Hinokitiol 499-75-2, Carvacrol 500-02-7, Cryptone 501-52-0, Hydrocinnamic acid 501-92-8, Chavicol 502-41-0, Cycloheptanol 502-61-4, Farnesene 502-72-7, Cyclopentadecanone 503-74-2, Isovaleric acid 505-10-2, Methionol 505-32-8, Isophytol 511-02-4, Sclarene 513-23-5 513-85-9, Butane-2,3-diol 513-86-0, Acetoin 515-00-4, Myrtenol 515-03-7, Sclareol 515-69-5, α-Bisabolol 536-50-5, p,α-Dimethylbenzyl alcohol 536-59-4, Perilla alcohol 536-60-7, Cumin alcohol 538-86-3, Methyl benzyl ether 539-82-2, Ethyl valerate 539-88-8, Ethyl levulinate 539-90-2, Isobutyl butyrate 540-07-8, Amyl caproate 540-18-1, Amyl butyrate 540-42-1, Isobutyl propionate 541-31-1, Isoamyl mercaptan 541-91-3, Muscone 542-46-1, Civetone 542-92-7, Cyclopentadiene, biological studies 543-39-5, Myrcenol 543-49-7, 2-Heptanol 544-40-1, Butyl sulfide 544-63-8, Myristic acid, biological studies 544-76-3, Hexadecane 546-79-2, Sabinene hydrate 547-63-7, Methyl isobutyrate 547-64-8, Methyl lactate 551-08-6 555-66-8, Shogaol 556-24-1, Methyl isovalerate 556-82-1, 3-Methyl-2-buten-1-ol 557-00-6, Propyl isovalerate 562-74-3, Terpinen-4-ol 563-80-4, Methyl isopropyl ketone 583-04-0, Allyl benzoate 586-62-9, Terpinolene 589-35-5, 3-Methylpentanol 589-38-8, 3-Hexanone 589-59-3, Isobutyl isovalerate 589-66-2, Isobutyl crotonate 589-75-3, Butyl octanoate 589-82-2, 3-Heptanol 589-98-0, 3-Octanol 590-01-2, Butyl propionate 590-86-3, Isovaleraldehyde 591-12-8, α-Angelica lactone 591-68-4, Butyl valerate 591-80-0, 4-Pentenoic acid 592-84-7, Butyl formate 592-88-1, Diallyl sulfide 593-08-8, 2-Tridecanone 593-45-3, Octadecane 600-14-6, 2,3-Pentanedione 606-45-1, Methyl o-methoxybenzoate 607-88-5, p-Cresyl salicylate 611-13-2, Methyl 2-furoate 614-99-3, Ethyl 2-furoate 616-25-1, 1-Penten-3-ol 617-35-6, Ethyl pyruvate 617-50-5, Isopropyl isobutyrate 620-02-0, 5-Methylfurfural **620-79-1**, Ethyl 2-benzylacetoacetate 621-82-9, Cinnamic acid, biological studies 622-45-7, Cyclohexyl acetate 622-60-6 622-78-6, Benzyl isothiocyanate 623-15-4, Furfuralacetone 623-17-6, Furfuryl acetate 623-22-3, Propyl 2-furanacrylate 623-30-3 623-42-7, Methyl butyrate 624-13-5, Propyl octanoate 624-24-8, Methyl valerate 624-41-9, 2-Methylbutyl acetate 624-42-0, Ethyl isoamyl ketone 624-92-0, Dimethyl disulfide 626-77-7, Propyl hexanoate 626-82-4, Butyl hexanoate 628-63-7, Amyl acetate 628-97-7, Ethyl palmitate 628-99-9, 2-Nonanol 629-11-8, Hexamethylene glycol 629-14-1, Ethylene glycol diethyl ether 629-19-6, Dipropyl disulfide 629-33-4, Hexyl formate 629-50-5, Tridecane 629-59-4, Tetradecane 629-62-9, Pentadecane 629-78-7, Heptadecane 637-64-9, Tetrahydrofurfuryl acetate 638-11-9, Isopropyl butyrate 638-17-5, Thialdine 638-25-5, Amyl caprylate 638-49-3, Amyl formate 638-53-9, Tridecanoic acid 644-49-5, Propyl isobutyrate 646-07-1, 4-Methylpentanoic acid 656-53-1 659-70-1, Isoamyl isovalerate 673-84-7, Alloocimene 688-82-4, Heptanal diethyl acetal 693-95-8, 4-Methyl thiazole 695-06-7, γ-Hexalactone 698-10-2 698-76-0, δ-Octalactone 705-73-7 705-86-2, .δ.-Decanolactone

706-14-9, γ-Decalactone 710-04-3, δ-Undecalactone
713-95-1, δ-Dodecalactone 765-05-9 774-48-1, Benzaldehyde
diethyl acetal 818-81-5, 2-Methyloctanol 821-55-6, 2-Nonanone
823-22-3, δ-Hexalactone 825-51-4 828-26-2, Trithioacetone
868-57-5, Methyl 2-methylbutyrate 870-23-5, Allyl mercaptan 881-68-5,
Acetylvanillin 925-78-0, 3-Nonanone 928-91-6, cis-4-Hexen-1-ol
928-95-0, trans-2-Hexenol 928-96-1, cis-3-Hexen-1-ol 928-97-2,
trans-3-Hexen-1-ol 932-92-3, Cyclohexyl ethyl ether 939-48-0,
Isopropyl benzoate 943-88-4, 4-(4-Methoxyphenyl)-3-buten-2-one
947-05-7, Dodecalactone 999-40-6, Neryl butyrate 1003-04-9,
Tetrahydrothiophen-3-one 1009-11-6 1072-83-9, 2-Acetylpyrrole
1079-01-2, Myrtenyl acetate 1113-21-9, Geranyl linalool 1117-52-8,
Farnesylacetone 1117-55-1, Hexyl octanoate 1118-27-0, Linalyl
isovalerate 1118-39-4, Myrcenyl acetate 1119-44-4, 3-Hepten-2-one
1120-21-4, Undecane 1122-62-9, 2-Acetylpyridine 1123-85-9,
2-Phenylpropyl alcohol 1124-11-4, Tetramethylpyrazine 1125-21-9,
4-Oxoisophorone 1125-88-8, Benzaldehyde dimethyl acetal 1135-66-6,
IsoLongifolene 1139-30-6, β-Caryophyllene oxide 1142-85-4
1188-02-9, 2-Methylheptanoic acid 1191-04-4, 2-Hexenoic acid
1191-16-8, Prenyl acetate 1192-62-7, 2-Acetylfuran 1193-79-9,
2-Acetyl-5-methylfuran 1195-32-0, α-p-Dimethylstyrene 1195-92-2,
Limonene oxide 1197-01-9 1205-17-0, Helional 1211-29-6, Methyl
jasmonate 1222-05-5, Galaxolide 1319-88-6, Benzaldehyde glyceryl
acetal 1320-67-8, Propylene glycol monomethyl ether 1322-12-9, Ethyl
octynecarbonate 1322-34-5, Methyl decynyl carbonate 1323-00-8,
Santalyl acetate 1331-83-5, Anisyl acetate 1333-49-9, Dimethyloctanol
1333-58-0, Isobutylquinoline 1335-06-4, Bromostyrene 1335-46-2,
Methylionone 1335-66-6, Isocyclocitral 1365-19-1, Linalool oxide
1502-22-3, 2-(1-Cyclohexen-1-yl)cyclohexanone 1504-74-1,
o-Methoxycinnamic aldehyde 1551-44-6, Cyclohexyl butyrate 1576-87-0,
trans-2-Pentenal 1599-47-9, Hexanal dimethyl acetal 1599-49-1
1604-28-0, 6-Methyl-3,5-heptadien-2-one 1653-30-1, 2-Undecanol
1708-34-5 1725-01-5, 1,8-Dioxacycloheptadecan-9-one 1728-46-7
1731-84-6, Methyl nonanoate 1759-28-0, 4-Methyl-5-vinylthiazole
1786-08-9, Nerol oxide 1866-31-5, Allyl cinnamate 1901-26-4,
3-Methyl-4-phenyl-3-buten-2-one 2021-28-5, Ethyl 3-phenylpropionate
2035-99-6, Isoamyl octanoate 2050-01-3, Isoamyl isobutyrate 2050-08-0,
Pentyl salicylate 2051-78-7, Allyl butyrate 2052-14-4, Butyl
salicylate 2052-15-5, Butyl levulinate 2084-18-6 2111-75-3,
Perillaldehyde 2120-70-9, Phenoxyacetaldehyde 2142-94-1, Neryl formate
2153-26-6 2153-28-8 2173-56-0, Amyl valerate 2173-57-1 2179-57-9,
Diallyl disulfide 2179-60-4, Methyl propyl disulfide 2198-61-0,
Isoamyl hexanoate 2216-45-7, 4-Methylbenzyl acetate 2216-51-5
2217-33-6, Tetrahydrofurfuryl butyrate 2226-05-3 2277-19-2,
cis-6-Nonenal 2294-76-0 2305-21-7, 2-Hexen-1-ol 2305-25-1, Ethyl
3-hydroxyhexanoate 2306-88-9, Octyl octanoate 2306-91-4, Isoamyl
decanoate 2311-46-8, Isopropyl hexanoate
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
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cosmetics)

IT 2311-59-3, Isopropyl decanoate 2315-68-6, Propyl benzoate 2345-24-6,
Neryl isobutyrate 2345-26-8, Geranyl isobutyrate 2349-07-7, Hexyl
isobutyrate 2349-14-6, Methyl geranate 2351-90-8, Ethyl 2-octenoate
2363-88-4, 2,4-Decadienal 2408-20-0, Allyl propionate 2412-80-8,
Methyl isohexanoate 2432-51-1 2436-90-0, Dihydromyrcene 2437-25-4,
Dodecanonitrile 2442-10-6, 1-Octen-3-yl acetate 2444-46-4,
Nonanoylvanillylamide 2445-76-3, Hexyl propionate 2445-77-4,
2-Methylbutyl isovalerate 2497-18-9, trans-2-Hexenyl acetate
2568-25-4, Benzaldehyde propylene glycol acetal 2623-23-6, L-Menthyl

acetate 2630-39-9, Methyl dihydrojasmonate 2639-63-6, Hexyl butyrate 2705-87-5, Allyl cyclohexanepropionate 2721-22-4, δ-Tetradecalactone 2756-56-1, Isobornyl propionate 2785-87-7, Dihydroeugenol 2785-89-9, 4-Ethylguaiacol 2807-30-9, Ethylene glycol monopropyl ether 2835-39-4, Allyl isovalerate 2847-30-5, 2-Methoxy-3-methylpyrazine 2949-92-0, S-Methyl methanethiosulfonate 2979-22-8 2983-37-1, Ethyl 2-ethylhexanoate 3142-72-1, 2-Methyl-2-pentenoic acid 3149-28-8, Methoxypyrazine 3160-37-0, Heliotropylacetone 3268-49-3, Methional 3301-94-8, δ-Nonalactone 3387-41-5, Sabinene 3391-83-1, 1,7-Dioxacycloheptadecan-8-one 3391-86-4, 1-Octen-3-ol 3452-97-9, 3,5,5-Trimethylhexanol 3454-07-7, p-Ethylstyrene 3558-60-9 3581-91-7, 4,5-Dimethylthiazole 3583-00-4, 4-Isopropyl-5,5-dimethyl-1,3-dioxane 3613-30-7, Methoxycitronellal 3658-77-3, Furaneol 3658-80-8, Dimethyl trisulfide 3658-93-3, Hexanal diethyl acetal 3681-71-8, cis-3-Hexenyl acetate 3683-12-3 3779-62-2, Sinensal 3796-70-1, Geranylacetone 3848-24-6, 2,3-Hexanedione 3913-81-3 3913-85-7, 2-Decenoic acid 4230-97-1, Allyl caprylate 4265-97-8, Heptyl octanoate 4351-10-4 4360-47-8, Styryl cyanide 4362-22-5 4430-31-3, Octahydrocoumarin 4437-20-1, Furfuryl disulfide 4437-51-8, 3,4-Hexanedione 4442-79-9, Cyclohexylethyl alcohol 4455-13-4, Ethyl methylthioacetate 4500-58-7, 2-Ethylbenzenethiol 4547-43-7 4602-84-0, Farnesol 4606-15-9, Propylphenyl acetate 4621-04-9, 4-Isopropylcyclohexanol 4630-07-3, Valencene 4674-50-4, Nootkatone 4676-39-5 4728-82-9, Allyl cyclohexylacetate 4747-07-3, Methyl hexyl ether 4819-67-4 4861-85-2, Isopropylphenyl acetate 4864-61-3, 3-Octyl acetate 4884-24-6, 2-Cyclopentylcyclopentanone 4927-36-0 4940-11-8, Ethylmaltol 4951-48-8, L-Menthyl propionate 5132-75-2, Octyl heptanoate 5146-66-7, Geranylnitrile 5205-11-8, Prenyl benzoate 5240-32-4, 1-Ethynylcyclohexyl acetate 5320-75-2, Cinnamyl benzoate 5331-32-8, Isobornyl methyl ether 5392-40-5, Citral 5405-41-4, Ethyl 3-hydroxybutyrate 5406-58-6, 2,5,5-Trimethyl-2-phenyl-1,3-dioxane 5421-17-0, Hexylphenyl acetate 5452-07-3 5457-70-5, Phenylethyl caprylate 5462-06-6, Canthoxal 5468-05-3 5468-06-4 5471-51-2, Raspberry ketone 5502-75-0, Mayol 5577-44-6, 2,4-Octadienal 5579-78-2, ε-Decalactone 5760-50-9, Methyl 9-undecenoate 5764-85-2, Ethyl 3-hydroxy-3-phenylpropionate 5837-78-5, Ethyl tiglate 5870-93-9, Heptyl butyrate 5910-85-0, 2,4-Heptadienal 5910-89-4, 2,3-Dimethylpyrazine 5947-36-4, Pinocarveol 5948-04-9, Dihydrocarvone 5953-76-4, Methyl angelate 5986-55-0, Patchouli alcohol 6028-61-1, Dipropyl trisulfide 6066-49-5, 3-n-Butyl phthalide **6079-97-6,** Ethyl 2-hexylacetoacetate 6259-76-3, Hexyl salicylate 6270-03-7, Phenyl glycol diacetate 6304-24-1, 2-Isobutylpyridine 6309-51-9 6378-65-0, Hexyl hexanoate 6413-10-1, Ethyl acetoacetate ethylene glycol ketal 6485-40-1, L-Carvone 6493-80-7 6658-48-6 6707-60-4, 1,6-Dioxacycloheptadecan-7-one 6728-26-3, trans-2-Hexenal 6750-03-4, 2,4-Nonadienal 6789-80-6, cis-3-Hexenal 6789-88-4, Hexyl benzoate 6881-94-3, Diethylene glycol monopropyl ether 6915-15-7, Malic acid 6938-45-0, Benzyl hexanoate 6976-72-3, Heptyl hexanoate 7011-83-8 7051-39-0, Dihydrojasmone 7069-41-2, trans-2-Tridecenal 7074-08-0 7212-44-4, Nerolidol 7289-52-3, Decyl methyl ether 7335-26-4, Ethyl o-methoxybenzoate 7370-92-5 7392-19-0, 2,2,6-Trimethyl-6-vinyltetrahydropyran 7403-42-1, 4-Methyl-4-phenyl-2-pentanone 7416-35-5 7452-79-1, Ethyl 2-methylbutyrate 7460-74-4, Phenylethyl valerate 7492-66-2, Citral diethyl acetal 7492-67-3, Citronellyloxyacetaldehyde 7492-70-8, Butyl butyryllactate 7493-57-4 7493-65-4, Allyl cyclohexanebutyrate 7493-69-8, Allyl 2-ethylbutyrate 7493-74-5, Allyl phenoxyacetate 7493-78-9, α-Amylcinnamyl acetate 7549-33-9, Anisyl propionate 7549-37-3, Citral dimethyl acetal 7580-12-3, 2,4,6-Triisopropyl-1,3,5-trioxane 7661-55-4,

5-Methylquinoline 7756-96-9 7774-44-9, Cyclohexyl isovalerate 7774-65-4 7775-39-5, Styralyl isobutyrate 7778-83-8, Propyl cinnamate 7778-85-0, Propylene glycol dimethyl ether 7778-87-2, Propyl heptanoate 7779-23-9, Linalyl hexanoate 7779-41-1, Decanal dimethyl acetal 7779-65-9, Isoamyl cinnamate 7779-78-4 7779-81-9, Isobutyl angelate 7779-94-4, Hydroxycitronellal diethyl acetal 7780-06-5, Isopropyl cinnamate 7784-67-0, Ethylisoeugenol 7785-33-3, Geranyl tiglate 7785-64-0, Butyl angelate 7786-44-9, 2,6-Nonadienol 7786-58-5, Octyl isovalerate 7787-20-4, L-Fenchone 8000-41-7, Terpineol 8000-41-7D, Terpineol, thio derivs. 8007-35-0, Terpinyl acetate 8013-00-1, Terpinene 8013-90-9, Ionone 8038-79-7, Benzoin oil 10022-28-3, Octanal dimethyl acetal 10024-64-3, Linalyl octanoate 10031-96-6, Eugenyl formate 10032-02-7, Geranyl hexanoate 10032-05-0, Heptanal dimethyl acetal 10032-13-0, Hexyl isovalerate 10032-15-2, Hexyl 2-methylbutyrate 10094-34-5 10108-80-2, Propylene glycol Dipropionate 10203-30-2, 3-Dodecanol 10221-57-5, Propylene glycol diethyl ether 10276-85-4 10318-16-8 10339-55-6, Ethyllinalool 10361-39-4, Benzyl valerate 10402-33-2, Eugenylphenyl acetate 10415-87-9 10444-50-5, Citral propylene glycol acetal 10482-55-0, Isoamyl angelate 10486-14-3, Rhodinyl phenylacetate 10486-19-8, Tridecanal 10519-11-6 10519-12-7, Decahydro-β-naphthyl formate 10544-63-5, Ethyl crotonate 10580-25-3, Citronellyl hexanoate 10588-10-0, Isobutyl valerate 10599-70-9, 3-Acetyl-2,5-dimethylfuran 10603-06-2 11028-42-5, Cedrene 11031-45-1, Santalol 11050-62-7, Isojasmone 11072-28-9, Dimethyloctenone 12001-36-4, Raspberry aldehyde 12262-03-2, Isoamyl undecylenate 12687-45-5, Caryophyllene aldehyde 13019-04-0 13019-22-2, 9-Decen-1-ol 13074-65-2, 2-Hexylcyclopentanone 13162-46-4, 2,4-Undecadienal 13162-47-5, 2,4-Dodecadienal 13171-00-1, Celestolide 13254-34-7, 2,6-Dimethylheptan-2-ol 13327-56-5, Ethyl 3-methylthiopropionate 13341-72-5, Mentha lactone 13351-61-6, 2,2-Dimethyl-3-phenylpropanol 13360-64-0, 2-Ethyl-5-methylpyrazine 13360-65-1, 2-Ethyl-3,6-dimethylpyrazine 13466-78-9 13481-87-3, Methyl 3-nonenoate 13491-79-7, 2-tert-Butylcyclohexanol 13494-06-9, 3,4-Dimethyl-1,2-cyclopentanedione 13494-07-0, 3,5-Dimethyl-1,2-cyclopentanedione 13532-18-8, Methyl 3-methylthiopropionate
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
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IT 13567-40-3, Cedranone 13567-54-9D, Cedrane, oxo derivative 13623-11-5, Trimethylthiazole 13659-75-1 13678-59-6, 2-Methyl-5-methylthiofuran 13678-68-7 13679-70-4, 5-Methyl-2-thiophenecarboxaldehyde 13679-86-2 13706-86-0, 5-Methyl-2,3-hexanedione 13708-12-8, 5-Methylquinoxaline 13816-33-6, Cuminylnitrile 13828-37-0 13851-11-1, Fenchyl acetate 13877-91-3, 3,7-Dimethyl-1,3,6-octatriene 13894-61-6 13894-63-8 13925-00-3, 2-Ethylpyrazine 13925-07-0, 2-Ethyl-3,5-dimethylpyrazine 13925-08-1, 2-Methyl-5-vinylpyrazine 13947-14-3 14159-61-6, 3-Isobutylpyridine 14289-65-7 14374-92-6, 4-Isopropyl-1-methyl-2-propenylbenzene 14510-36-2 14575-74-7, α-Fenchyl alcohol 14576-08-0, α-Terpinyl methyl ether 14620-52-1, Dodecanal dimethyl acetal 14667-55-1, 2,3,5-Trimethylpyrazine 14727-47-0, Isolongifolanone 14765-30-1, 2-sec-Butylcyclohexanone 15111-96-3 15186-51-3, Rose furan 15323-35-0, Phantolide 15679-13-7, 2-Isopropyl-4-methylthiazole 15707-23-0, 2-Ethyl-3-methylpyrazine 15707-24-1, 2,3-Diethylpyrazine 15760-18-6 16251-77-7 16308-92-2, 2,4-Dimethylbenzyl alcohol 16356-11-9, 1,3,5-Undecatriene 16409-43-1, Rose oxide 16429-21-3, ε-Dodecalactone 16491-24-0, 2,4-Hexadienyl isobutyrate 16491-36-4, cis-3-Hexenyl butyrate 16491-62-6, Cyclohexyl crotonate 16587-71-6, 4-tert-Amylcyclohexanone 16630-66-3, Methyl methylthioacetate 16930-96-4, Hexyl tiglate

17140-33-9 17369-59-4, 3-Propylidene phthalide 17619-36-2, Methyl
propyl trisulfide 18127-01-0 18138-04-0, 2,3-Diethyl-5-methylpyrazine
18409-17-1, trans-2-Octenol 18479-51-1, Dihydrolinalool 18479-57-7,
Tetrahydromyrcenol 18640-74-9, 2-Isobutylthiazole 18675-24-6
18824-63-0, Nonanal dimethyl acetal 18829-55-5, trans-2-Heptenal
18829-56-6, trans-2-Nonenal 18854-56-3, Ethylene glycol dipropyl ether
18871-14-2, Jasmal 20407-84-5, trans-2-Dodecenal 20628-36-8
20777-39-3, Lavandulyl acetate 20780-48-7, Tetrahydrolinalyl acetate
20780-49-8 20834-59-7 21064-19-7D, Trimethylcyclododecatriene,
epoxidized 21112-37-8 21145-77-7, Tonalide 21662-09-9, cis-4-Decenal
21722-83-8, Cyclohexylethyl acetate 21964-44-3, 1-Nonen-3-ol
22047-25-2, 2-Acetylpyrazine 22451-63-4, Alloocimene alcohol
22457-23-4, Stemone 22463-19-0 22493-94-3, 2-tert-Butylquinoline
22629-49-8, Tridecene-2-nitrile 23495-12-7, 2-Phenoxyethyl propionate
23726-93-4, Damascenone 23747-48-0 24237-00-1 24295-03-2,
2-Acetylthiazole 24683-00-9, 2-Isobutyl-3-methoxypyrazine 24717-85-9,
Citronellyl tiglate 24817-51-4, Phenylethyl 2-methylbutyrate
25152-85-6, cis-3-Hexenyl benzoate 25265-71-8, Dipropylene glycol
25265-75-2, Butylene glycol 25304-14-7, 3,3-Dimethylcyclohexyl methyl
ketone 25322-68-3 25339-16-6, sec-Octyl alcohol 25377-82-6,
Tridecene 25377-83-7, Octene 25512-62-3, Cyclohexenone 25524-95-2,
Jasmine lactone 25564-22-1, 2-Pentyl-2-cyclopentenone 25680-58-4,
2-Methoxy-3-ethylpyrazine 25773-40-4, 2-Methoxy-3-isopropylpyrazine
25795-46-4, Tetrahydrocitral 26266-05-7, Heptadecene 26370-28-5,
2,6-Nonadienal 26553-46-8 26619-69-2, Isolongifolene epoxide
26643-91-4, 4-Methyl-2-phenyl-2-pentenal 27070-58-2, Octadecene
27215-95-8, Nonene 27458-94-2, Isononyl alcohol 27606-09-3
27829-72-7 28069-74-1 28219-60-5 28221-20-7, L-Menthyl isovalerate
28316-62-3 28371-99-5, Trimofix O 28473-21-4, Nonanol 28588-74-1,
2-Methyl-3-furanthiol 28664-35-9, Sotolone 28929-03-5, Octadecadiene
28940-11-6 28977-58-4, Ocimenol 29387-86-8, Propylene glycol monobutyl
ether 29549-60-8, 2-Ethylthiophenol 29597-36-2 29714-87-2, Ocimene
30025-38-8, Dipropylene glycol monoethyl ether 30076-98-3 30136-13-1,
Propylene glycol monopropyl ether 30168-23-1, Dupical 30207-98-8,
Undecanol 30673-36-0, Butyl decanoate 30960-39-5, Cedrenone
31375-17-4 31501-11-8, cis-3-Hexenyl caproate 32210-23-4,
p-tert-Butylcyclohexyl acetate 32388-55-9, Acetylcedrene 32659-21-5,
Ethyl geranate 32665-23-9, Isopropyl isovalerate 32974-92-8,
2-Acetyl-3-ethylpyrazine 33467-73-1, cis-3-Hexenyl formate 33467-74-2,
cis-3-Hexenyl propionate 33704-61-9, Cashmeran 34291-99-1
34413-35-9, 5,6,7,8-Tetrahydroquinoxaline 34590-94-8, Dipropylene glycol
monomethyl ether 34764-02-8, Decanal diethyl acetal 35044-59-8
35117-86-3 35154-45-1, cis-3-Hexenyl isovalerate 35852-46-1,
cis-3-Hexenyl valerate 35854-86-5 35884-42-5, Dipropylene glycol
monobutyl ether 36431-72-8, Theaspirane 36541-25-0,
Methyltetrahydrofuranone 36701-01-6, Furfuryl valerate 37161-74-3
37172-02-4, 1-Acetoxy-2-sec-butyl-1-vinylcyclohexane 37486-72-9, Ethyl
2-decenoate 37514-30-0, 1-Methylcyclododecyl methyl ether 37526-88-8,
Benzyl tiglate 37609-25-9, 5-Cyclohexadecen-1-one 37677-14-8, Myrac
aldehyde 38049-26-2, Dihydrocarveol 38205-60-6, 5-Acetyl-2,4-
dimethylthiazole 38285-49-3, 5-Methyl-3-butyltetrahydropyran-4-yl
acetate 39067-39-5 39067-80-6, Thiogeraniol 39255-32-8, Ethyl
2-methylvalerate 39707-47-6 39900-38-4, Cedryl formate 40203-73-4,
Methyl cyclopentylideneacetate 40228-18-0, Furfuryl methyl sulfide
40267-72-9, Geranyl ethyl ether 40527-42-2 40785-62-4,
3-Oxabicyclo[10.3.0]pentadec-6-ene 40910-49-4, Acetaldehyde ethyl
linalyl acetal 41199-19-3, Ambrinol 41199-20-6 41496-43-9,
2-Methyl-3-(4-methylphenyl)propanal 41519-23-7, cis-3-Hexenyl
isobutyrate 41816-03-9, Rhubofix 41890-92-0, 3,7-Dimethyl-7-

methoxyoctan-2-ol 42184-18-9 42370-07-0 42436-07-7, cis-3-Hexenyl
phenylacetate 49815-58-9 50607-64-2 50816-18-7 50980-84-2,
Propylene glycol Dibutyrate 51566-62-2, Citronellylnitrile 51755-66-9,
3-Methylthio-1-hexanol 52125-53-8, Propylene glycol monoethyl ether
52844-21-0, Cyclocitral 53082-58-9, 3-Methylpentyl angelate
53219-21-9, Dihydromyrcenol 53338-06-0 53398-80-4, trans-2-Hexenyl
propionate 53398-83-7, trans-2-Hexenyl butyrate 53398-85-9,
cis-3-Hexenyl 2-methylbutyrate 53398-86-0, trans-2-Hexenyl hexanoate
53448-07-0, trans-2-Undecenal 53778-72-6 54082-68-7,
2,6,10-Trimethyl-5,9-undecadienal 54140-13-5 54264-04-9,
Heptadecadiene 54464-57-2, Iso E super 54484-73-0, Acetaldehyde ethyl
hexyl acetal 54546-26-8, 2-Butyl-4,4,6-trimethyl-1,3-dioxane
54815-13-3, Nonanal diethyl acetal 54889-48-4, Octanal diethyl acetal
54982-83-1, Ethylene dodecanedioate 55066-48-3, 3-Methyl-5-
phenylpentanol 55066-49-4 55719-85-2, Phenylethyl tiglate
56001-43-5, Nerolidyl acetate 56011-02-0 56423-40-6, Benzyl
2-methylbutyrate 56973-85-4, α-Dynascone 57082-24-3,
Caryophyllene acetate 57287-13-5, Dihydrocarvyl acetate 57371-42-3,
Benzyleugenol 57500-00-2, Methyl furfuryl disulfide 57576-09-7,
Isopulegyl acetate 57943-67-6 58102-02-6 58253-27-3, Gingerol
58430-94-7, 3,5,5-Trimethylhexyl acetate 58567-11-6, Formaldehyde
cyclododecylethyl acetal 58985-18-5, Dihydroterpinyl acetate
59020-85-8 59021-03-3 59094-77-8, Ethyl thioacetate 59230-57-8,
Cuminyl acetate 59259-90-4 59354-71-1
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(odor masking compns. containing fragrant substances for **hair**
cosmetics)

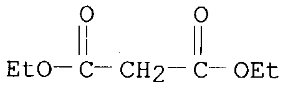
IT 59558-23-5, p-Cresyl caprylate 60788-25-2 61215-74-5, Undecatriene
61562-03-6 61699-38-5 61711-48-6, Isodamascone 61792-11-8
61792-12-9, Cinnamyl tiglate 61920-45-4 62238-34-0, 4-Heptenal
62288-69-1 62563-80-8, Vetiveryl acetate 63270-14-4,
Nonanediol-1,3-diacetate 63450-34-0 63500-71-0 64001-15-6
64165-57-7 64988-06-3, Ethyl o-methoxybenzyl ether 65113-95-3
65113-99-7, 3-Methyl-5-(2,2,3-trimethyl-3-cyclopentenyl)-pentan-2-ol
65405-70-1, trans-4-Decenal 65405-73-4, Geranyloxyacetaldehyde
65405-76-7, cis-3-Hexenyl anthranilate 65405-77-8, cis-3-Hexenyl
salicylate 65442-31-1 65443-14-3, 2,2,5-Trimethyl-5-
pentylcyclopentanone 66062-78-0 66512-92-3 67114-38-9 67583-77-1
67633-94-7 67634-06-4 67634-15-5, Floralozone 67634-17-7,
2,4-Dimethyl-3-cyclohexene-1-methanol 67634-22-4 67662-96-8
67707-75-9, Ethyl 3,5,5-trimethylhexanoate 67715-80-4,
2-Methyl-4-propyl-1,3-oxathiane 67746-30-9, trans-2-Hexenal diethyl
acetal 67785-77-7, Dimethylbenzylcarbinyl propionate 67801-33-6
67801-64-3 67845-46-9 67874-72-0, Coniferan 67874-78-6 67874-81-1,
Cedryl methyl ether 67883-79-8, cis-3-Hexenyl tiglate 68039-24-7
68039-49-6, Triplal 68129-81-7, Vetiverol 68141-17-3 68480-06-8
68527-74-2, Vanillin propylene glycol acetal 68527-77-5,
Isocyclogeraniol 68527-78-6 68844-98-4 68922-10-1, Citronellyl
isovalerate 68928-61-0 70214-77-6, 6,8-Dimethyl-2-nonanol
70788-30-6, Timberol 71172-75-3, Isoamyl levulinate 71566-53-5
72007-81-9 72013-84-4, 13-Oxabicyclo[10.3.0]pentadecane 72072-32-3,
Diethylene glycol dipropyl ether 72089-08-8 72231-20-0,
Tetrahydromugyl acetate 72424-08-9, 3-Propyl phthalide 72445-42-2,
Mint sulfide 72797-27-4 72797-27-4D, dehydrogenated 73127-43-2
73545-18-3, cis-3-Hexenal diethyl acetal 75147-23-8, Buccoxime
77628-60-5 77733-94-9 78548-53-5 78649-62-4 79806-04-5,
Vernaldehyde 80111-68-8, Damascone 80118-06-5 80449-98-5, Liral
80466-34-8, 2,4-Hexadienal 80480-24-6 80858-47-5 80901-68-4
81782-77-6, 4-Methyl-3-decen-5-ol 81786-75-6 82373-92-0 82784-84-7

83783-82-8 84029-92-5, Acetaldehyde ethyl isoeugenyl acetal
84060-80-0, cis-3-Hexenyl angelate 84518-22-9 85624-40-4, Ocimene
epoxide 86241-90-9 87118-95-4, 3,4,5,6,6-Pentamethyl-2-heptanol
87343-69-9 88969-41-9, Dihydromyrcenyl acetate 89444-36-0 91482-37-0
91967-77-0 94022-83-0 99565-75-0 107820-22-4 110516-60-4,
Homofuraneol 119339-26-3 120204-34-4, 2,4-Hexadienol 127303-87-1,
Dipropylene glycol monopropyl ether 139253-95-5 139504-68-0, Amber
core 169825-80-3, 4-tert-Butylquinoline 176201-25-5, Aldehyde C-14
(Peach) 177771-82-3, Ambroxan 194986-84-0 195159-55-8, Myraldyl
acetate 200061-88-7 208397-85-7 217816-75-6, Grisalva 223447-73-2,
Tetrahydromugol 234436-14-7, Rhubofuran 266692-55-1, Florex
335380-17-1, Aldehyde C-16 (strawberry) 474653-58-2, Butane-1,3-diol
monomethyl ether 474653-60-6, Butane-1,3-diol monobutyl ether
500345-56-2 524932-69-2 524932-73-8 524932-78-3 524932-99-8
524933-00-4 524933-01-5 524933-04-8 524933-11-7 524933-20-8
524933-22-0 524933-24-2 524933-37-7 524933-38-8 524933-43-5
524933-46-8 524933-48-0 524933-50-4 524960-46-1 524960-47-2
524960-48-3
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(odor masking compns. containing fragrant substances for **hair**
cosmetics)

IT 119-53-9, Benzoin
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(resinoid; odor masking compns. containing fragrant substances for
hair cosmetics)

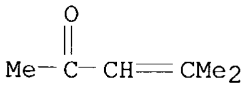
IT **105-53-3**, Diethyl malonate **141-79-7**, Mesityl oxide
141-97-9, Ethyl acetoacetate **620-79-1**, Ethyl
2-benzylacetoacetate **6079-97-6**, Ethyl 2-hexylacetoacetate
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(odor masking compns. containing fragrant substances for **hair**
cosmetics)

RN 105-53-3 HCAPLUS
CN Propanedioic acid, diethyl ester (9CI) (CA INDEX NAME)



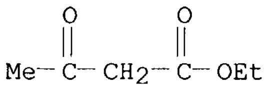
$EtO-\overset{\overset{O}{\|}}{C}-CH_2-\overset{\overset{O}{\|}}{C}-OEt$

RN 141-79-7 HCAPLUS
CN 3-Penten-2-one, 4-methyl- (8CI, 9CI) (CA INDEX NAME)



$Me-\overset{\overset{O}{\|}}{C}-CH=CMe_2$

RN 141-97-9 HCAPLUS
CN Butanoic acid, 3-oxo-, ethyl ester (9CI) (CA INDEX NAME)



$Me-\overset{\overset{O}{\|}}{C}-CH_2-\overset{\overset{O}{\|}}{C}-OEt$

RN 620-79-1 HCAPLUS

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CN   Benzenepropanoic acid, α-acetyl-, ethyl ester (9CI)  (CA INDEX NAME)
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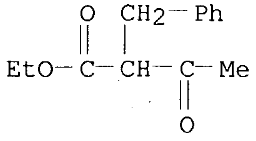

$EtO-C(=O)-CH(CH_2-Ph)-C(=O)-Me$

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RN   6079-97-6  HCAPLUS
CN   Butanoic acid, 3-oxo-, 2-ethylhexyl ester (9CI)  (CA INDEX NAME)
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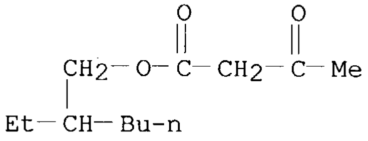


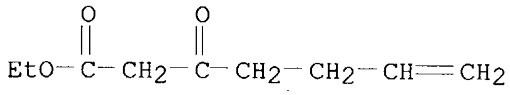
$Et-CH(Bu\text{-}n)-CH_2-O-C(=O)-CH_2-C(=O)-Me$

```
L24  ANSWER 11 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2002:946071  HCAPLUS
DN   138:28948
TI   Cosmetic composition forming after application of a
     supramolecular polymer
IN   Mougin, Nathalie; Livoreil, Aude; Mondet, Jean
PA   L'oreal, Fr.
SO   PCT Int. Appl., 82 pp.
     CODEN: PIXXD2
DT   Patent
LA   French
FAN.CNT 1
     PATENT NO.        KIND  DATE          APPLICATION NO.   DATE
     ---------------   ----  --------      ---------------   --------
PI   WO 2002098377      A1   20021212      WO 2002-FR1966    20020607
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
             TJ, TM
        RW:  GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
             CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     FR 2825628         A1   20021213      FR 2001-7476      20010607
     FR 2825628         B1   20040319
     EP 1392222         A1   20040303      EP 2002-747520    20020607
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
PRAI FR 2001-7476       A    20010607
     WO 2002-FR1966     W    20020607
AB   The invention concerns a cosmetic composition for care and/or
     treatment and/or make-up of keratinous materials, comprising, in a
     physiol. acceptable medium, an efficient amount of at least a linear,
     branched or cyclic, or dendritic polymer, comprising: a polymeric skeleton
     including at least two repeat units, and at least two functional groups
```

(A) fixed on the polymeric skeleton and capable of binding with one or several partner junction groups, of identical or different chemical type, each matching of two functional groups involving at least three H bridges. Preparation of a ureido pyrimidone polydimethylsiloxane and a lipstick containing this polymer is disclosed.

IC ICM A61K007-02
ICS A61K007-48
CC 62-4 (Essential Oils and **Cosmetics**)
IT Deodorants
Hair preparations
Sunscreens
(cosmetic **composition** forming after application of supramol. polymer)
IT Acrylic polymers, biological studies
Dendritic polymers
Polycarbonates, biological studies
Polyolefins
Polyoxyalkylenes, biological studies
Polyoxymethylenes, biological studies
Polysiloxanes, biological studies
Polythioethers
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic **composition** forming after application of supramol. polymer)
IT Polysaccharides, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(derivs.; cosmetic **composition** forming after application of supramol. polymer)
IT **Hair** preparations
(**dyes**; cosmetic **composition** forming after application of supramol. polymer)
IT Cosmetics
(eye liners; cosmetic **composition** forming after application of supramol. polymer)
IT Hair preparations
(gels; cosmetic **composition** forming after application of supramol. polymer)
IT Cosmetics
(lipsticks; cosmetic **composition** forming after application of supramol. polymer)
IT Cosmetics
(makeup removers; cosmetic **composition** forming after application of supramol. polymer)
IT Cosmetics
(makeups; cosmetic **composition** forming after application of supramol. polymer)
IT Polyethers, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(perfluoro; cosmetic **composition** forming after application of supramol. polymer)
IT Fluoropolymers, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(polyether-, perfluoro; cosmetic **composition** forming after application of supramol. polymer)
IT Vinyl compounds, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(polymers; cosmetic **composition** forming after application of supramol. polymer)

IT Polymers, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(supramol.; cosmetic **composition** forming after application of supramol. polymer)
IT Polyesters, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(ureido pyrimidone derivs.; cosmetic **composition** forming after application of supramol. polymer)
IT 9004-34-6D, Cellulose, derivs.
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic **composition** forming after application of supramol. polymer)
IT 3977-29-5DP, reaction products with ethoxylated-propoxylated glycerol and IPDI 4098-71-9DP, IPDI, reaction products with ethoxylated-propoxylated glycerol and 4-methylisocytosine 9082-00-2DP, reaction products with IPDI and 4-methylisocytosine 32801-66-4P 205751-10-6P
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(cosmetic **composition** forming after application of supramol. polymer)
IT 100-39-0, Benzyl bromide 110-86-1, Pyridine, reactions 111-36-4, Butyl isocyanate 100224-74-6, Guanidine carbonate
RL: RCT (Reactant); RACT (Reactant or reagent)
(cosmetic **composition** forming after application of supramol. polymer)
IT **17605-06-0P**, Ethyl 3-oxo-6-heptenoate 133078-41-8P, 6-(3-Butenyl)isocytosine 199594-88-2P, 4-Benzyloxy-6-(3-butenyl)-2-butylureidopyrimidine 205751-15-1P, 6-(3-Butenyl)-2-butylureido-4-pyrimidinone
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(cosmetic **composition** forming after application of supramol. polymer)
IT **17605-06-0P**, Ethyl 3-oxo-6-heptenoate
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(cosmetic **composition** forming after application of supramol. polymer)
RN 17605-06-0 HCAPLUS
CN 6-Heptenoic acid, 3-oxo-, ethyl ester (7CI, 8CI, 9CI) (CA INDEX NAME)



$EtO-\overset{\overset{O}{\|}}{C}-CH_2-\overset{\overset{O}{\|}}{C}-CH_2-CH_2-CH=CH_2$

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 12 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:849398 HCAPLUS
DN 137:357907
TI Naphthalene dicarboxylic acid esters as stabilizers of sunscreens
IN Bonda, Craig A.; Marinelli, Peter J.; McMillin, Robert J.
PA Haarmann & Reimer, USA
SO PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DT Patent

LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002087528	A1	20021107	WO 2002-US13168	20020425

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	US 2002192176	A1	20021219	US 2001-843262	20010426
	US 6518451	B2	20030211		
PRAI	US 2001-843262	A	20010426		

OS MARPAT 137:357907

AB A **composition** containing a naphthalene dicarboxylic acid diester for photochem. stabilization of dibenzoylmethane derivs., absorption of UV radiation, imparting of gloss and for stabilization of natural **hair color** and **hair dyes** against fading is disclosed. The above ester can be used to increase the emolliency and sunscreen protection factor (SPF) of cosmetic formulations and for filtering out UV radiation from human skin. The diesters are quite effective in stabilizing the dibenzoylmethane derivative UVA filters making them effective for longer periods of time. A test compound was prepared by reacting di-Me 2,6-naphthalate with a blend of 2-ethylhexanol and cinnamyl alc. in the presence of dibutyltin diacetate catalyst. The resulting product was determined by gas chromatog. to be approx. 61% diethylhexyl 2,6-naphthalate, 13% methyl/ethylhexyl 2,6-naphthalate, and the balance (approx. 25%) a blend of dicinnamyl 2,6-naphthalate, methyl/cinnamyl 2,6-naphthalate, and ethylhexyl/cinnamyl 2,6-naphthalate. The above mixture is much more photostable than the neg. control.

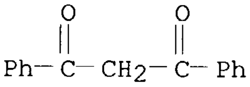
IC ICM A61K007-06
ICS A61K007-42; C07C069-76

CC 62-4 (Essential Oils and **Cosmetics**)
Section cross-reference(s): 25

IT **120-46-7D**, Dibenzoylmethane, derivs. **70356-09-1**, NeoHeliopan 357 **474265-58-2**
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(naphthalene dicarboxylic acid esters as stabilizers of sunscreens)

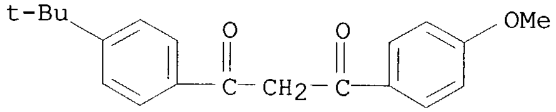
IT **120-46-7D**, Dibenzoylmethane, derivs. **70356-09-1**, NeoHeliopan 357 **474265-58-2**
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(naphthalene dicarboxylic acid esters as stabilizers of sunscreens)

RN 120-46-7 HCAPLUS
CN 1,3-Propanedione, 1,3-diphenyl- (6CI, 8CI, 9CI) (CA INDEX NAME)



$Ph-\overset{\overset{O}{\|}}{C}-CH_2-\overset{\overset{O}{\|}}{C}-Ph$

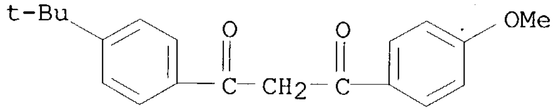
RN 70356-09-1 HCAPLUS
CN 1,3-Propanedione, 1-[4-(1,1-dimethylethyl)phenyl]-3-(4-methoxyphenyl)-(9CI) (CA INDEX NAME)



RN 474265-58-2 HCAPLUS
CN 1,3-Propanedione, 1-[4-(1,1-dimethylethyl)phenyl]-3-(4-methoxyphenyl)-, mixt. with 1-[4-(1-methylethyl)phenyl]-3-phenyl-1,3-propanedione (9CI) (CA INDEX NAME)

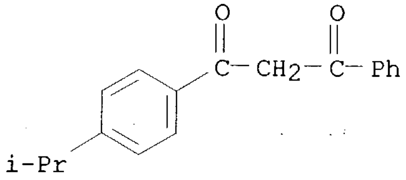
CM 1

CRN 70356-09-1
CMF C20 H22 O3



CM 2

CRN 63250-25-9
CMF C18 H18 O2



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 13 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:793376 HCAPLUS
DN 137:283953
TI **Hair coloring compositions** and their use
IN Dunbar, James Charles; Pratt, Dominic; James, Delyth Anghharad
PA The Procter & Gamble Company, USA
SO PCT Int. Appl., 18 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

applicant

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002080870	A2	20021017	WO 2002-US10625	20020404
	WO 2002080870	A3	20030508		

W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,

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              CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES,
              FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,
              KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
              MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK,
              SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW,
              AM, AZ, BY, KG
          RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
              CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
              BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     EP 1372587          A2   20040102       EP 2002-763942   20020404
          R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
              IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     US 2004107515       A1   20040610       US 2003-679776   20031006
PRAI GB 2001-8615        A    20010405
     WO 2002-US10625     W    20020404
OS   MARPAT 137:283953
AB   The invention provides a hair coloring compn
     . comprising one or more developers selected from amino aromatic systems
     capable of being oxidized and thereafter undergoing at least two
     electrophilic attack reactions, and one or more couplers selected from (a)
     1,3-diketones of the formula (I, XCOCH(Z)COY): in which X and Y are
     non-leaving substituents and Z is an active leaving group, such that in
     the presence of an oxidizing agent the or each developer reacts with the
     or each coupler substantially only at the position having the active
     leaving group Z and (b) compds. of the formula (II, R1COCH:C(R2)(R3)): in
     which R1, R2 and R3 are, independently, cycloalkyl, alkenyl, cycloalkenyl,
     aryl, alkaryl, aralkyl, -R'NHCOR, -CONHR, -R'CONHR, -R'OH, -R'SO2R,
     -R'SO2NHR, -R'OR or -COR, in any of which R is H, alkyl, cycloalkyl,
     alkenyl, cycloalkenyl, aryl, alkaryl or aralkyl and R' is alkylene,
     alkenylene, cycloalkylene, cycloalkenylene, arylene, alkarylene or
     aralkyrene, or substituted versions of any of these.
IC   ICM  A61K007-13
CC   62-3 (Essential Oils and Cosmetics)
ST   hair coloring amino arom compd
IT   Aromatic compounds
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (amino; hair coloring compns. and their use)
IT   Ketones, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (diketones; hair coloring compns. and their use)
IT   Hair preparations
        (dyes; hair coloring compns. and their
        use)
IT   Dyes
        (hair coloring compns. and their use)
IT   71-43-2D, Benzene, substituted derivs.   106-50-3, p-Phenylenediamine,
     biological studies   110-86-1D, Pyridine, substituted derivs.   288-13-1D,
     Pyrazole, substituted derivs.   289-95-2D, Pyrimidine, substituted derivs.
     2044-64-6, Dimethyl acetoacetamide 2235-46-3, Diethyl
     acetoacetamide
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (hair coloring compns. and their use)
IT   2044-64-6, Dimethyl acetoacetamide 2235-46-3, Diethyl
     acetoacetamide
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (hair coloring compns. and their use)
RN   2044-64-6  HCAPLUS
CN   Butanamide, N,N-dimethyl-3-oxo- (9CI)  (CA INDEX NAME)
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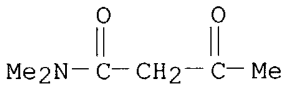
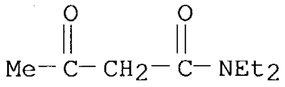


$Me_2N-\overset{\overset{O}{\|}}{C}-CH_2-\overset{\overset{O}{\|}}{C}-Me$

RN 2235-46-3 HCAPLUS
CN Butanamide, N,N-diethyl-3-oxo- (9CI) (CA INDEX NAME)



$Me-\overset{\overset{O}{\|}}{C}-CH_2-\overset{\overset{O}{\|}}{C}-NEt_2$

L24 ANSWER 14 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:714118 HCAPLUS
DN 137:237397
TI **Compositions** for the **dyeing** of human **hair**
IN Pratt, Dominic
PA Kao Corporation, Japan
SO Eur. Pat. Appl., 10 pp.
CODEN: EPXXDW
DT Patent
LA English

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FAN.CNT 1
     PATENT NO.         KIND  DATE          APPLICATION NO.  DATE
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PI   EP 1240891          A2   20020918      EP 2002-5385     20020315
     EP 1240891          A3   20030129
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     DE 10112437         A1   20021002      DE 2001-10112437 20010315
     DE 10112437         C2   20030821
     US 2003019052       A1   20030130      US 2002-95917    20020313
     US 6733541          B2   20040511
     JP 2002275040       A2   20020925      JP 2002-71712    20020315
PRAI DE 2001-10112437    A    20010315
OS   MARPAT 137:237397
GI
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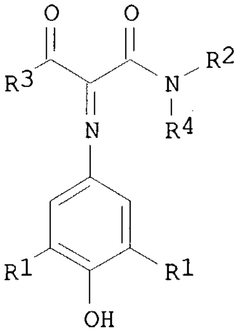
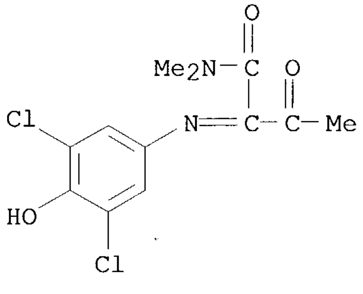


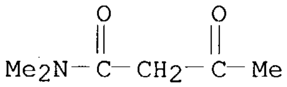
I

AB A **composition** for the **dyeing** of human **hair** comprises at least 1 direct-acting **hair dye** (I, where R1 = halo, R2 and R4 = OH- or NH2-substituted C1-4 alkyl or Ph and R3 = H, or OH- or NH2-substituted C1-4 alkyl or Ph). Thus, benzoylacetanilide was allowed to react with 4-amino-2,6-dichlorophenol in the presence of K2S208 to give α-[(3,5-dichloro-4-hydroxyphenyl)imino]-β-oxo-N-phenylbenzenepropanamide. A formulation was prepared by dissolving 0.1 g of the above dye in 0.5 EtOH and mixing this solution with a mixture of 0.5 g benzyl alc. and 9 g water. A strand of undamaged, white goat hair was immersed in this solution for 20 min and after the coloration process, the strand was washed with a shampoo and dried.

IC ICM A61K007-13
CC 62-3 (Essential Oils and **Cosmetics**)
ST **hair dye** phenylpropanamide dichlorohydroxyphenyliminooxophenyl prepn
IT **Hair**
Human
(compns. for **dyeing** of human **hair**)
IT **Hair** preparations
(**dyes**, oxidative; compns. for **dyeing** of human **hair**)
IT **Hair** preparations
(**dyes**; compns. for **dyeing** of human **hair**)
IT 448218-46-0P **448218-47-1P**
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(compns. for **dyeing** of human **hair**)
IT 959-66-0 **2044-64-6**, N,N-Dimethylacetoacetamide 5930-28-9, 4-Amino-2,6-dichlorophenol
RL: RCT (Reactant); RACT (Reactant or reagent)
(compns. for **dyeing** of human **hair**)
IT **448218-47-1P**
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(compns. for **dyeing** of human **hair**)
RN 448218-47-1 HCAPLUS
CN Butanamide, 2-[(3,5-dichloro-4-hydroxyphenyl)imino]-N,N-dimethyl-3-oxo- (9CI) (CA INDEX NAME)



IT **2044-64-6**, N,N-Dimethylacetoacetamide
RL: RCT (Reactant); RACT (Reactant or reagent)
(compns. for **dyeing** of human **hair**)
RN 2044-64-6 HCAPLUS
CN Butanamide, N,N-dimethyl-3-oxo- (9CI) (CA INDEX NAME)



$Me_2N-C(=O)-CH_2-C(=O)-Me$

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L24  ANSWER 15 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2002:574879  HCAPLUS
DN   137:145180
TI   Cosmetic composition for treating keratinous materials
     comprising a cationic poly(alkyl) vinyllactam polymer and a protecting or
     conditioning agent
IN   Cottard, Francois; De La Mettrie, Roland
PA   L'Oreal, Fr.
SO   PCT Int. Appl., 66 pp.
     CODEN: PIXXD2
DT   Patent
LA   French
FAN.CNT 1
     PATENT NO.          KIND  DATE             APPLICATION NO.  DATE
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PI   WO 2002058646        A1   20020801         WO 2002-FR251    20020122
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
             TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
             CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     FR 2820030           A1   20020802         FR 2001-1108     20010126
     FR 2820030           B1   20030411
     EP 1357884           A1   20031105         EP 2002-700360   20020122
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     JP 2004520368        T2   20040708         JP 2002-558980   20020122
     US 2004131572        A1   20040708         US 2004-470195   20040115
PRAI FR 2001-1108         A    20010126
     WO 2002-FR251        W    20020122
AB   The invention concerns a composition for treating keratinous
     materials, in particular hair, comprising, in a physiol. and in particular
     cosmetically acceptable medium, at least a protecting and conditioning
     agent, and addnl. at least a cationic poly(alkyl) vinyllactam polymer.
     Said combinations enable to improve deposition of the agent protecting or
     conditioning the keratinous materials and the cosmetic properties.  A
     shampoo contained ethoxylated sodium lauryl sulfate 17, 30% cocoylbetaine
     2.5, Polymer ACP-1234 (a quaternary ammonium acrylic polymer) 1, copra
     acid monoisopropanolamide 0.6, Uvinul MS40 0.1, perfume, preservatives and
     water q.s 100 g.
IC   ICM  A61K007-06
CC   62-3 (Essential Oils and Cosmetics)
IT   Polysiloxanes, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (Me Ph; cosmetic composition for treating keratinous materials
        comprising cationic poly(alkyl) vinyllactam polymer and protecting or
        conditioning agent)
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IT   Polysiloxanes, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (Me vinyl; cosmetic composition for treating keratinous materials
        comprising cationic poly(alkyl) vinyllactam polymer and protecting or
        conditioning agent)
IT   Lactams
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (N-vinyl, polymers; cosmetic composition for treating keratinous
        materials comprising cationic poly(alkyl) vinyllactam polymer and
        protecting or conditioning agent)
IT   Polysiloxanes, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (alkoxylated; cosmetic composition for treating keratinous
        materials comprising cationic poly(alkyl) vinyllactam polymer and
        protecting or conditioning agent)
IT   Polysiloxanes, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (alkyl; cosmetic composition for treating keratinous materials
        comprising cationic poly(alkyl) vinyllactam polymer and protecting or
        conditioning agent)
IT   Surfactants
        (amphoteric; cosmetic composition for treating keratinous
        materials comprising cationic poly(alkyl) vinyllactam polymer and
        protecting or conditioning agent)
IT   Surfactants
        (anionic; cosmetic composition for treating keratinous materials
        comprising cationic poly(alkyl) vinyllactam polymer and protecting or
        conditioning agent)
IT   Polysiloxanes, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (aryl; cosmetic composition for treating keratinous materials
        comprising cationic poly(alkyl) vinyllactam polymer and protecting or
        conditioning agent)
IT   Hair preparations
        (bleaches; cosmetic composition for treating keratinous materials
        comprising cationic poly(alkyl) vinyllactam polymer and protecting or
        conditioning agent)
IT   Polyelectrolytes
     Surfactants
        (cationic; cosmetic composition for treating keratinous materials
        comprising cationic poly(alkyl) vinyllactam polymer and protecting or
        conditioning agent)
IT   Polysaccharides, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (cationic; cosmetic composition for treating keratinous materials
        comprising cationic poly(alkyl) vinyllactam polymer and protecting or
        conditioning agent)
IT   Betaines
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (coco alkyldimethyl; cosmetic composition for treating keratinous
        materials comprising cationic poly(alkyl) vinyllactam polymer and
        protecting or conditioning agent)
IT   Antioxidants
     Shampoos
     Sunscreens
        (cosmetic composition for treating keratinous materials comprising
        cationic poly(alkyl) vinyllactam polymer and protecting or conditioning
        agent)
IT   Acrylic polymers, biological studies
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Ceramides
Cyclosiloxanes
Oxides (inorganic), biological studies
Paraffin oils
Polyolefins
Polysiloxanes, biological studies
Vitamins
Waxes
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic **composition** for treating keratinous materials comprising cationic poly(alkyl) vinyllactam polymer and protecting or conditioning agent)

IT Polysiloxanes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(di-Me, hydroxyalkyl Me; cosmetic **composition** for treating keratinous materials comprising cationic poly(alkyl) vinyllactam polymer and protecting or conditioning agent)

IT Polysiloxanes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(di-Ph; cosmetic **composition** for treating keratinous materials comprising cationic poly(alkyl) vinyllactam polymer and protecting or conditioning agent)

IT **Hair** preparations
(**dyes**; cosmetic **composition** for treating **keratinous** materials comprising cationic poly(alkyl) vinyllactam polymer and protecting or conditioning agent)

IT Amines, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(fatty; cosmetic **composition** for treating keratinous materials comprising cationic poly(alkyl) vinyllactam polymer and protecting or conditioning agent)

IT Radicals, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(free, inhibitors; cosmetic **composition** for treating keratinous materials comprising cationic poly(alkyl) vinyllactam polymer and protecting or conditioning agent)

IT Surfactants
(ionic; cosmetic **composition** for treating keratinous materials comprising cationic poly(alkyl) vinyllactam polymer and protecting or conditioning agent)

IT Hair preparations
(permanent wave; cosmetic **composition** for treating keratinous materials comprising cationic poly(alkyl) vinyllactam polymer and protecting or conditioning agent)

IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(vegetable; cosmetic **composition** for treating keratinous materials comprising cationic poly(alkyl) vinyllactam polymer and protecting or conditioning agent)

IT 69-72-7D, Salicylic acid, salts 76-22-2D, Camphor, derivs. 79-10-7D, Acrylic acid, di Ph derivs. 88-12-0D, polymers with cocoalkylammonium dimethylaminopropylmethacrylamides 95-14-7D, 1H-Benzotriazole, sulfonic derivs. 118-60-5, Octyl salicylate 118-92-3D, Anthranilic acid, salts 119-61-9D, Benzophenone, sulfonic derivs. **120-46-7D**, Dibenzoylmethane, derivs. 131-57-7, 2-Hydroxy-4-methoxybenzophenone 150-13-0D, p-Aminobenzoic acid, salts 271-89-6D, Benzofuran, derivs. 273-53-0D, Benzoxazole, sulfonic derivs. 290-87-9D, 1,3,5-Triazine, hydroxyphenyl derivs. 621-82-9D, Cinnamic acid, esters 4065-45-6, Uvinul ms 40 4122-04-7D, Aminotriazine, dialkyl derivs. reaction product with resorcinol 5205-93-6D, cocoalkylammonium derivs., polymers with vinylpyrrolidone and dimethylaminopropylmethacrylamide 5466-77-3, 2-Ethylhexyl 4-methoxycinnamate 6197-30-4, Octocrylene 7400-08-0D, p-Hydroxycinnamic acid, salts 9000-30-0, Guar gum 9000-30-0D, Guar gum, reaction products with epoxypropyltrimethylammonium 9003-28-5, Polybutene 9003-28-5D, Polybutene, hydrogenated 9003-29-6, Polybutene 9003-29-6D, Polybutene, hydrogenated 9003-39-8D, Polyvinylpyrrolidone, quaternary ammonium derivs. 9004-34-6D, Cellulose, quaternary derivs. 9004-62-0D, Hydroxyethyl cellulose, reaction products with epoxides 9004-82-4, Ethoxylated sodium lauryl sulfate 9016-00-6, Polydimethylsiloxane 11138-66-2, Xanthan gum 15087-24-8D, Benzylidene camphor, sulfonic derivs. 17301-53-0, Behenyltrimethylammonium chloride 26590-05-6, Acrylamide-Diallyldimethylammonium chloride copolymer 27538-35-8, Ethyl urocanate 28791-69-7 29383-23-1D, Vinylimidazole, polymers 31900-57-9, Polydimethylsiloxane 34227-83-3 34354-88-6 37309-58-3, Polydecene 37309-58-3D, Polydecene, hydrogenated 54482-09-6 87246-72-8 96673-02-8 110483-07-3 129426-19-3 144653-38-3 144653-39-4 **149591-38-8** 150177-00-7 155633-54-8 245654-94-8 306769-69-7 306769-73-3 444572-28-5, ACP 1234

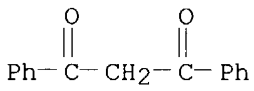
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic **composition** for treating keratinous materials comprising cationic poly(alkyl) vinyllactam polymer and protecting or conditioning agent)

IT **120-46-7D**, Dibenzoylmethane, derivs. **149591-38-8**

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic **composition** for treating keratinous materials comprising cationic poly(alkyl) vinyllactam polymer and protecting or conditioning agent)

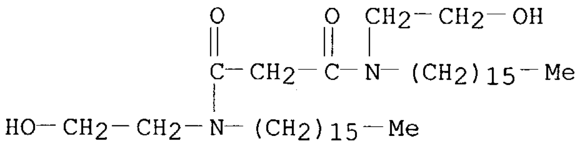
RN 120-46-7 HCAPLUS

CN 1,3-Propanedione, 1,3-diphenyl- (6CI, 8CI, 9CI) (CA INDEX NAME)


$\mathrm{Ph-\overset{O}{\overset{\|}{C}}-CH_2-\overset{O}{\overset{\|}{C}}-Ph}$

RN 149591-38-8 HCAPLUS

CN Propanediamide, N,N'-dihexadecyl-N,N'-bis(2-hydroxyethyl)- (9CI) (CA INDEX NAME)


$\mathrm{HO-CH_2-CH_2-N(-(CH_2)_{15}-Me)-\overset{O}{\overset{\|}{C}}-CH_2-\overset{O}{\overset{\|}{C}}-N(CH_2-CH_2-OH)-(CH_2)_{15}-Me}$

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 16 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:539508 HCAPLUS

DN 137:98631

TI Cosmetic detergent **compositions** containing an amphoteric polysaccharide and an insoluble conditioning agent

IN Fack, Geraldine; Restle, Serge; Dubief, Claude

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PA   L'Oreal, Fr.
SO   PCT Int. Appl., 42 pp.
     CODEN: PIXXD2
DT   Patent
LA   French
FAN.CNT 1
     PATENT NO.          KIND  DATE            APPLICATION NO.   DATE
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PI   WO 2002055053        A2   20020718        WO 2002-FR104     20020111
     WO 2002055053        A3   20020829
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
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             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
             TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
             CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     FR 2819405           A1   20020719        FR 2001-407       20010112
     EP 1353646           A2   20031022        EP 2002-710980    20020111
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     JP 2004520340        T2   20040708        JP 2002-555789    20020111
     US 2004102354        A1   20040527        US 2003-250888    20031230
PRAI FR 2001-407          A    20010112
     WO 2002-FR104        W    20020111
OS   MARPAT 137:98631
AB   The invention relates to novel hair detergent and conditioning compns.
     comprising, in a cosmetically acceptable medium, an anionic surfactant, an
     amphoteric surfactant, at least one amphoteric polysaccharide selected
     from among celluloses, inulins and guar gums and with at least one
     water-insol. conditioning agent selected from (A) synthetic oils, (B)
     silicones having a viscosity greater than or equal to 1,000 mm2/s,
     polysiloxanes, the general structure thereof comprising one or more
     organo-functional groups, (C) animal or vegetal oils, (D) waxes, (E)
     carboxylic acid esters, (F) ceramide-type compds.  The inventive compns.
     are intended for hair care and cleaning.  A hair preparation contained sodium
     lauryl ether sulfate 8, cocoyl betaine 2, polydimethyl siloxane 0.5,
     carboxymethyl-modified hydroxypropyl tri-Me ammonium guar chloride 1, and
     water q.s. 100 g.
IC   ICM  A61K007-50
CC   62-3 (Essential Oils and Cosmetics)
IT   Hair preparations
        (dyes; cosmetic detergent compns. containing amphoteric
        polysaccharide and insol. conditioning agent)
IT   56-81-5D, Glycerol, tri(C6-C8-acyl) esters   81-13-0, Panthenol
     106-24-1, Geraniol   111-42-2, Diethanolamine, biological studies
     1562-00-1D, Sodium isethionate, cocoacyl derivs.   7376-31-0D,
     Triethanolamine sulfate, alkyl derivs.   7757-82-6D, Sodium sulfate, alkyl
     derivs.   7783-20-2D, Ammonium sulfate, alkyl derivs.   9000-30-0, Guar
     gum   9000-30-0D, Guar gum, reaction products with epoxypropyl
     trimethylammonium   9003-28-5D, Polybutene, hydrogenated   9003-29-6,
     Polybutene   9004-34-6, Cellulose, biological studies   9004-62-0D,
     Hydroxyethyl cellulose, quaternary ammonium derivs.   9005-80-5, Inulin
     9016-00-6D, Poly[oxy(dimethylsilylene)], dimethylsilanol-terminated
     26062-79-3, Diallyldimethyl ammonium chloride homopolymer   26590-05-6,
     Diallyldimethyl ammonium chloride-acrylamide copolymer   28791-69-7
     29297-55-0, Vinylimidazole-vinylpyrrolidone copolymer   37309-58-3,
     Polydecene   37309-58-3D, Polydecene, hydrogenated   42557-10-8, Dow
     corning 200   54422-45-6   54482-09-6   67034-33-7D, carboxymethyl-
     modified   96673-02-8   110483-07-3   129426-19-3   138757-67-2, Carbopol
     980 149591-38-8   150177-00-7   160065-31-6   206052-70-2
     226923-62-2, Texapon nsw   245654-94-8
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (cosmetic detergent compns. containing amphoteric polysaccharide and insol.
        conditioning agent)
IT   149591-38-8
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (cosmetic detergent compns. containing amphoteric polysaccharide and insol.
        conditioning agent)
RN   149591-38-8  HCAPLUS
CN   Propanediamide, N,N'-dihexadecyl-N,N'-bis(2-hydroxyethyl)- (9CI)  (CA
     INDEX NAME)
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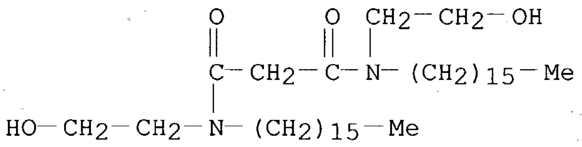

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L24  ANSWER 17 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2002:539491  HCAPLUS
DN   137:98627
TI   Cosmetic compositions containing a fructan, a polysaccharide and
     a beneficial agent
IN   Fack, Geraldine; Pourille-Grethen, Chrystel; Restle, Serge
PA   L'Oreal, Fr.
SO   PCT Int. Appl., 38 pp.
     CODEN: PIXXD2
DT   Patent
LA   French
FAN.CNT 1
     PATENT NO.        KIND  DATE          APPLICATION NO.  DATE
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PI   WO 2002055034      A2   20020718      WO 2002-FR105    20020111
     WO 2002055034      A3   20020919
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
             TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
             CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     FR 2819403         A1   20020719      FR 2001-408      20010112
     EP 1353631         A2   20031022      EP 2002-710981   20020111
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     US 2004106529      A1   20040603      US 2003-250896   20031229
PRAI FR 2001-408        A    20010112
     WO 2002-FR105      W    20020111
```

AB The invention relates to novel cosmetic compns. comprising, in a cosmetically acceptable medium, at least one fructan, at least one polysaccharide and at least one beneficial agent; a combination which gives the cosmetic compns. a velvety-smooth texture. Said compns. can be easily rinsed off. Hair treated with said **composition** feels soft and contains no residue. The compns. are particularly suitable for washing and/or conditioning keratinous matter, such as the hair and skin. An after-shampoo contained inulin 10.6, behenyltrimethylammonium chloride 4, citrus pectin 1.9, amodimethicone 1.7, and water q.s. 100 g.

IC ICM A61K007-06

CC 62-3 (Essential Oils and **Cosmetics**)

IT **Hair** preparations
(**dyes**; cosmetic compns. containing fructan, polysaccharide and beneficial agent)

IT 50-21-5, Lactic acid, biological studies 50-81-7, Ascorbic acid, biological studies 52-90-4, Cystein, biological studies 55-56-1, Chlorhexidine 56-40-6, Glycine, biological studies 56-41-7, Alanine, biological studies 56-87-1, Lysine, biological studies 57-10-3, Palmitic acid, biological studies 57-11-4, Stearic acid, biological studies 57-13-6D, Carbamide, halogen derivs. 60-00-4, Edta, biological studies 60-33-3, Linoleic acid, biological studies 61-90-5, Leucine, biological studies 63-91-2, Phenylalanine, biological studies 69-72-7D, Salicylic acid, esters 74-79-3, Arginine, biological studies 77-48-5, 1,3-Dibromo-5,5-dimethylhydantoin 77-92-9, Citric acid, biological studies 79-10-7D, Acrylic acid, di-Ph derivs. 79-10-7D, Acrylic acid, esters, polymers with vinyl acetate 89-65-6, Erythorbicacid 95-14-7D, 1H-Benzotriazole, esters 101-05-3D, Triazine, esters 110-16-7D, Maleic acid, esters, polymer with vinyl acetate 110-27-0, Isopropyl myristate 111-01-3, Perhydrosqualene 112-53-8, Lauryl alcohol 112-72-1, Myristic alcohol 112-80-1, Oleic acid, biological studies 112-92-5, Stearyl alcohol 118-52-5, 1,3-Dichloro-5,5-dimethylhydantoin 119-61-9D, Benzophenone, derivs. **120-46-7D**, Dibenzoylmethane, derivs. 121-54-0, Benzethonium chloride 126-06-7, 3-Bromo-1-chloro-5,5-dimethylhydantoin 127-52-6, Chloramine b 127-65-1, Chloramine t 128-09-6 142-91-6, Isopropyl palmitate 143-07-7, Lauric acid, biological studies 143-28-2, Oleyl alcohol 150-13-0D, esters 275-51-4, Azulene 471-53-4, Glycyrrhetinic acid 506-43-4, Linoleyl alcohol 526-83-0, Tartaric acid 544-63-8, Myristic acid, biological studies 621-82-9D, Cinnamic acid, esters 822-89-9D, 1-Hydroxy-2-pyridinone, derivs. 1330-20-7, Xylene, biological studies 1343-97-1D, Selenium sulfate, derivs. 1398-61-4, Chitin 1948-33-0, t Butylhydroquinone 3380-34-5D, Triclosan, derivs. 6915-15-7, Malic acid 7664-38-2D, Phosphoric acid, salts 7757-83-7, Sodiumsulfite 9000-01-5, Gumarabic 9000-07-1, Carragheenan 9000-30-0, Guar gum 9000-36-6, Karaya gum 9000-40-2, Carob gum 9000-69-5, Pectin 9002-18-0, Agar 9003-18-3, Acrylonitrile-butadiene copolymer 9003-20-7, Polyvinyl acetate 9003-27-4, Polyisobutene 9003-39-8, Polyvinyl pyrrolidone 9004-34-6, Cellulose, biological studies 9004-54-0, Dextran, biological studies 9005-25-8, Starch, biological studies 9005-32-7, Alginic acid 9005-53-2, Lignin, biological studies 9005-79-2, Glycogen, biological studies 9005-82-7, Amylose 9006-26-2, Ethylene maleic anhydride copolymer 9012-72-0, Glucan 9012-76-4, Chitosan 9036-66-2, Arabinogalactan 9036-88-8, Mannan 9037-22-3, Amylopectin 9037-55-2, Galactan 9037-90-5, Fructan 9040-27-1, Arabinoxylan 9046-38-2, Galacturonan 9046-40-6, Pectic acid 11078-27-6, Arabinan 11078-30-1, Galactomannan 11078-31-2, Glucomannan 11138-66-2, Xanthan gum 15087-24-8D, Benzylidene camphor, derivs. 18312-31-7, Stearyl octanoate 24937-14-2D, Poly β-alanine, derivs. 24937-78-8, Ethylene vinyl acetate copolymer 25086-89-9, Vinyl acetate

```
     vinylpyrrolidone copolymer   25513-34-2D, Poly β-alanine, derivs.
     27503-81-7D, 2-Phenylbenzimidazole-5-sulfonic acid, salts   28299-33-4D,
     Imidazoline, derivs.   29806-73-3, 2-Ethylhexyl palmitate   36653-82-4,
     Palmitic alcohol   37294-28-3, Xyloglucan   37317-38-7, Glucuronoxylan
     39421-75-5, Hydroxypropylguar gum   42131-25-9, Isononyl isononanoate
     77752-14-8, Purcellin oil   78809-92-4D, derivs.
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (cosmetic compns. containing fructan, polysaccharide and beneficial agent)
IT   120-46-7D, Dibenzoylmethane, derivs.
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (cosmetic compns. containing fructan, polysaccharide and beneficial agent)
RN   120-46-7  HCAPLUS
CN   1,3-Propanedione, 1,3-diphenyl- (6CI, 8CI, 9CI)  (CA INDEX NAME)
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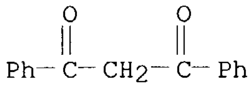

$Ph-C(=O)-CH_2-C(=O)-Ph$

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L24  ANSWER 18 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2002:539490  HCAPLUS
DN   137:98626
TI   Cosmetic composition containing at least one water-insoluble
     compound and at least one amphiphilic polymer
IN   Fack, Geraldine; Restle, Serge
PA   L'Oreal, Fr.
SO   PCT Int. Appl., 45 pp.
     CODEN: PIXXD2
DT   Patent
LA   French
FAN.CNT 1
     PATENT NO.         KIND  DATE          APPLICATION NO.  DATE
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PI   WO 2002055033       A1   20020718      WO 2002-FR103    20020111
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             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
             TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
             CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     FR 2819178          A1   20020712      FR 2001-333      20010111
     FR 2819178          B1   20030221
     EP 1351655          A1   20031015      EP 2002-710979   20020111
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
PRAI FR 2001-333         A    20010111
     WO 2002-FR103       W    20020111
OS   MARPAT 137:98626
AB   The invention relates to a composition for topical application
     comprising at least one particular water-insol. compound and at least one
     amphiphilic polymer containing at least one monomer having ethylenic unsatn.
     with a sulfonic group, in free form or partially or totally neutralized,
     and comprising at least one hydrophobic part.  The invention also relates
     to the uses of said composition, particularly in the cosmetic field,
     for the treatment and care of the human skin, scalp, mucous membranes,
     nails and hair.  The invention also relates to the uses for said
     composition, particularly in the cosmetic field, for the treatment and
     care of the human skin, scalp, mucous membranes, nails and hair.  A
     polymer was obtained by polymerization of Genapol T-250 methacrylate 97,
     2-acryalmido-2-methylpropane sulfonic acid neutralized by ammonia 3,
     trimethylol propane triacrylate 1.8, dilauryl peroxide 1, and tert-butanol
     300 g.  A shampoo contained above polymer 0.75, Dow Corning DC-939 1, and
     water q.s. 100 g.
IC   ICM  A61K007-06
CC   62-3 (Essential Oils and Cosmetics)
     Section cross-reference(s): 38
IT   Polymers, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (amphiphilic; cosmetic composition containing at least one
        water-insol. compound and at least one amphiphilic polymer)
IT   Fats and Glyceridic oils, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (avocado; cosmetic composition containing at least one water-insol.
        compound and at least one amphiphilic polymer)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (bergamot; cosmetic composition containing at least one water-insol.
        compound and at least one amphiphilic polymer)
IT   Hair preparations
        (bleaches; cosmetic composition containing at least one water-insol.
        compound and at least one amphiphilic polymer)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (cade; cosmetic composition containing at least one water-insol.
        compound and at least one amphiphilic polymer)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (caraway; cosmetic composition containing at least one water-insol.
        compound and at least one amphiphilic polymer)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (chamomile, German; cosmetic composition containing at least one
        water-insol. compound and at least one amphiphilic polymer)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (cinnamon; cosmetic composition containing at least one water-insol.
        compound and at least one amphiphilic polymer)
IT   Essential oils
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (citrus; cosmetic composition containing at least one water-insol.
        compound and at least one amphiphilic polymer)
IT   Litsea cubeba
     Microspheres
     Shampoos
        (cosmetic composition containing at least one water-insol. compound and
        at least one amphiphilic polymer)
IT   Candelilla wax
     Carbon black, biological studies
     Carnauba wax
     Essential oils
     Fluoropolymers, biological studies
     Kaolin, biological studies
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Mica-group minerals, biological studies
Polyamides, biological studies
Polyolefins
Polysiloxanes, biological studies
Soybean oil
Waxes
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Cosmetics
(creams; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Polysiloxanes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(di-Me, amino-containing; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT **Hair** preparations
(**dyes**; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(eucalyptus; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Cosmetics
(gels; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hazelnut; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Jojoba oil
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hydrogenated; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(lavender; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Cosmetics
(lotions; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Cosmetics
(makeups; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Ceramics
(microcapsules; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Glass, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(microcapsules; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(nutmeg; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(orange, sour; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Solvents
(organic; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Hair preparations
(permanent wave; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Waxes
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(rice bran; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Bran
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(rice, waxes; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(rosemary; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(sandalwood; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(savory; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Raisin
(seed oil; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(sesame; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Alcohols, biological studies
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(tallow, ethoxylated, methacrylate, polymers containing; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT Essential oils
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(vetiver; cosmetic **composition** containing at least one water-insol. compound and at least one amphiphilic polymer)

IT 106-24-1, Geraniol 110-27-0, Isopropyl myristate 110-36-1, Butyl myristate 116-14-3, Tetrafluoroethylene, biological studies 123-95-5, Butyl stearate 142-91-6, Isopropyl palmitate 471-34-1, Calcium Carbonate, biological studies 546-93-0, Magnesium carbonate 628-97-7, Ethyl palmitate 646-13-9, Isobutyl stearate 1314-13-2, Zinc oxide, biological studies 1314-23-4, Zirconium oxide, biological studies 1332-37-2, Iron oxide, biological studies 1343-78-8, Cochineal 1390-65-4, Carmine 2090-64-4, Magnesium hydrogen carbonate 7429-90-5, Aluminum, biological studies 7440-24-6, Strontium, biological studies 7440-32-6, Titanium, biological studies 7440-39-3, Barium, biological studies 7440-70-2, Calcium, biological studies 7631-86-9, Silica, biological studies 7787-59-9, Bismuth oxychloride 9002-84-0, Teflon 9002-88-4, Polyethylene 9003-29-6, Polybutene 9005-25-8, Starch, biological studies 10043-11-5, Boron nitride, biological studies 10101-66-3, Manganese violet 11118-57-3, Chromium oxide 11129-18-3, Cerium oxide 12240-15-2, Ferric blue 13463-67-7, Titaniumdioxide,

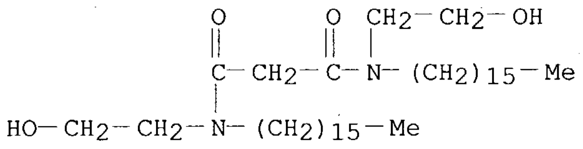
biological studies 14807-96-6, Talc, biological studies 15763-02-7,
Dioctyl malate 24937-14-2, Poly(β-alanine) 25513-34-2,
Poly(β-alanine) 34354-88-6, N-Stearoylphytosphingosine
37309-58-3, Polydecene 54422-45-6 54482-09-6 57455-37-5, Ultramarine
blue 59409-41-5 77752-14-8, Purcellin oil 96673-02-8 110483-07-3
129426-19-3 **149591-38-8** 150177-00-7 160065-31-6
245654-94-8
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic **composition** containing at least one water-insol. compound and
at least one amphiphilic polymer)

IT 96-05-9DP, polymers containing 110-26-9DP, polymers containing
15625-89-5DP,
polymers containing 28791-69-7P 58374-69-9DP, polymers containing
206052-70-2P 442660-72-2P
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological
study); PREP (Preparation); USES (Uses)
(cosmetic **composition** containing at least one water-insol. compound and
at least one amphiphilic polymer)

IT **149591-38-8**
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic **composition** containing at least one water-insol. compound and
at least one amphiphilic polymer)

RN 149591-38-8 HCAPLUS

CN Propanediamide, N,N'-dihexadecyl-N,N'-bis(2-hydroxyethyl)- (9CI) (CA
INDEX NAME)



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RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 19 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:504587 HCAPLUS
DN 137:83379
TI Oxidative **hair dye composition** for
dyeing of **keratinous** fibers comprising a diamino
pyrazole and a carbonyl compound
IN Cotteret, Jean
PA L'oreal, Fr.
SO PCT Int. Appl., 40 pp.
CODEN: PIXXD2
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002051373	A1	20020704	WO 2001-FR3729	20011126

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
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GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
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FR 2818538 A1 20020628 FR 2000-16952 20001222
FR 2818538 B1 20030207
EP 1345580 A1 20030924 EP 2001-272054 20011126
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
JP 2004519446 T2 20040702 JP 2002-552520 20011126
US 2004088800 A1 20040513 US 2003-451553 20031217
PRAI FR 2000-16952 A 20001222
WO 2001-FR3729 W 20011126
OS MARPAT 137:83379
AB The invention concerns a **composition** for oxidation **dyeing** of **keratinous** fibers, in particular human keratinous fibers such as human hair, comprising at least an oxidation base selected among 4,5 or 3,4-diamino pyrazoles and triamino pyrazoles, associated with at least a selected mineral compound The invention also concerns a dyeing method using said **composition** with an oxidizing agent. A **hair dye** contained 4,5-diamino-1-β-hydroxyethylpyrazole.2HCl 0.645, 3-amino-6-methylphenol 0.369, urea 0.1, water and other excipients q.s. 100 g. At the time of use equal amount of dye is mixed with 20 volume hydrogen peroxide and applied on the hair for 30 min., the hair is then rinsed with water, washed with shampoo, and dried to obtain a strong red color.
IC ICM A61K007-13
CC 62-3 (Essential Oils and **Cosmetics**)
ST oxidative **hair dye** aminopyrazole carbonyl compd
IT Carbohydrates, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(aldoses; oxidative **hair dye composition** for **dyeing** of **keratinous** fibers comprising diamino pyrazole and carbonyl compound)
IT Ketones, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(aliphatic; oxidative **hair dye composition** for **dyeing** of **keratinous** fibers comprising diamino pyrazole and carbonyl compound)
IT Ketones, biological studies
Polyimides, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(aromatic; oxidative **hair dye composition** for **dyeing** of **keratinous** fibers comprising diamino pyrazole and carbonyl compound)
IT **Hair** preparations
(**dyes**, oxidative; oxidative **hair dye composition** for **dyeing** of **keratinous** fibers comprising diamino pyrazole and carbonyl compound)
IT Salts, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(of peroxy acids; oxidative **hair dye compn**. for **dyeing** of **keratinous** fibers comprising diamino pyrazole and carbonyl compound)
IT Acids, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(organic; oxidative **hair dye composition** for **dyeing** of **keratinous** fibers comprising diamino pyrazole and carbonyl compound)
IT Coupling agents

Human
Oxidizing agents
(oxidative **hair dye composition** for
dyeing of **keratinous** fibers comprising diamino
pyrazole and carbonyl compound)

IT Aldehydes, biological studies
Ketones, biological studies
Peroxy acids
Peroxysulfates
Polyimides, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(oxidative **hair dye composition** for
dyeing of **keratinous** fibers comprising diamino
pyrazole and carbonyl compound)

IT Group IIIA element compounds
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(perborates; oxidative **hair dye composition**
for **dyeing** of **keratinous** fibers comprising diamino
pyrazole and carbonyl compound)

IT 57-13-6, Urea, biological studies 57-48-7, D Fructose, biological
studies 67-64-1, Acetone, biological studies 89-32-7, Pyromellitic
dianhydride 100-10-7, p-(Dimethylamino)benzaldehyde 124-43-6
491-38-3D, Chromone, derivs. 563-69-9, Carbonoperoxoic acid 1121-34-2,
Malic anhydride 2421-28-5 2835-95-2, 3-Amino-6-methylphenol
3142-58-3 5751-48-4, 2-Methyl chromone 6915-15-7, Malic acid
7722-84-1, Hydrogen peroxide, biological studies 16461-98-6,
1H-Pyrazole-3,4-diamine 25036-53-7, Kapton H 45514-38-3 52943-88-1
57047-11-7 63536-19-6 70254-61-4 76492-69-8 76492-70-1
78467-10-4 78467-17-1 89868-34-8 96886-30-5 103245-13-2
103245-14-3 103245-15-4 103245-16-5 103245-17-6 103245-18-7
103245-19-8 103245-23-4 118020-67-0, 1H-Pyrazole-3,4,5-triamine
122128-84-1 131311-66-5 132026-21-2 132026-22-3 132026-41-6
132026-42-7 132026-43-8 132026-44-9 132026-45-0 132026-72-3
132026-73-4 132026-83-6 148777-82-6 153940-62-6 153990-63-7
153990-64-8 153990-65-9 153990-66-0 153990-67-1 153990-68-2
153990-69-3 153990-70-6 153990-71-7 155601-15-3 155601-16-4
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184172-94-9 184172-95-0 184172-96-1 184172-97-2 184172-98-3
184172-99-4 184173-00-0 184173-01-1 184173-02-2 184173-03-3
184173-04-4 184173-05-5 184173-06-6 184173-07-7 184173-08-8
184173-09-9 184173-10-2 184173-11-3 184173-12-4 184173-13-5
184173-14-6 184173-15-7 184173-16-8 184173-17-9 184173-18-0
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184173-24-8 184173-25-9 184173-26-0 184173-27-1 184173-28-2
184173-29-3 184173-30-6 184173-31-7 184173-32-8 184173-33-9
184173-34-0 184173-35-1 184173-36-2 184173-37-3 184173-38-4
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184173-45-3 184173-46-4 184173-47-5 184173-48-6 191731-06-3
191731-07-4 191731-08-5 351184-15-1 439902-00-8 439902-01-9
439902-02-0 439902-03-1 439902-04-2 439902-05-3 439902-06-4
439902-46-2
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(oxidative **hair dye composition** for
dyeing of **keratinous** fibers comprising diamino
pyrazole and carbonyl compound)

IT **3142-58-3**
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(oxidative **hair dye composition** for

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         dyeing of keratinous fibers comprising diamino
         pyrazole and carbonyl compound)
RN    3142-58-3  HCAPLUS
CN    2,4-Pentanedione, 3,3-dimethyl- (6CI, 7CI, 8CI, 9CI)  (CA INDEX NAME)
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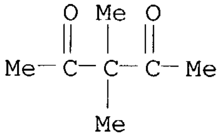

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RE.CNT  5       THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
                ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24   ANSWER 20 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN    2002:465789  HCAPLUS
DN    137:52028
TI    Cosmetic compositions containing heteropolymers and oil-soluble
      cationic surfactants
IN    Pinzon, Carlos O.; Thau, Paul
PA    L'oreal S. A., Fr.
SO    PCT Int. Appl., 63 pp.
      CODEN: PIXXD2
DT    Patent
LA    English
FAN.CNT 1
      PATENT NO.          KIND  DATE          APPLICATION NO.   DATE
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PI    WO 2002047658        A2   20020620      WO 2001-US47499   20011212
      WO 2002047658        A3   20030130
          W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
              CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
              GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
              LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
              PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
              UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
              TJ, TM
          RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
              CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
              BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
      US 2002122781        A1   20020905      US 2000-733900    20001212
      US 2003082126        A9   20030501
      AU 2002030701        A5   20020624      AU 2002-30701     20011212
      BR 2001008211        A    20030305      BR 2001-8211      20011212
      EP 1392232           A2   20040303      EP 2001-990943    20011212
          R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
              IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
      JP 2004515608        T2   20040527      JP 2002-549232    20011212
PRAI  US 2000-733900       A    20001212
      WO 2001-US47499      W    20011212
OS    MARPAT 137:52028
AB    Structured compns. comprise (i) at least one structuring polymer with a
      polymer skeleton which comprises at least one hydrocarbon-based repeating
      unit comprising at least one hetero atom and (ii) at least one oil-soluble
      cationic surfactant.  A structuring polymer may be a polyamide polymer.
      The composition may be in the form of stable compns. such as, for
      example, make-up sticks, lip compns., sunscreen sticks, anhydrous lip
```
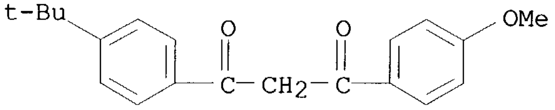

compns., and anhydrous foundations. For example, a clear anhydrous sunscreen
stick was prepared containing: Phase A - diisostearyl malate 10%, dioctyl
malate
20%, castor oil 30.6%, and propylene glycol ricinoleate 10.5%; Phase B -
Macromelt 6212 16%; Phase C - cetyl alc. 2%; Phase D - Uvinul M 40 3%, and
Parsol MCX 7.5%. The resulting **composition** was firm at room temperature
and stable; at elevated temps. (45°) the overall structure and
stick characteristics remained unchanged.

IC ICM A61K007-48
ICS A61K007-42; A61K007-02
CC 62-4 (Essential Oils and **Cosmetics**)
IT **Hair** preparations
(**dyes**; cosmetic compns. containing structuring heteropolymers and
oil-soluble cationic surfactants)
IT 94-13-3, Propyl paraben 107-64-2, Dioctadecyl dimethylammonium chloride
112-72-1, Myristyl alcohol 112-92-5, Stearyl alcohol 122-19-0, Stearyl
dimethyl benzylammonium chloride 124-28-7 131-57-7, Uvinul M 40
506-59-2D, quaternized, N,N-ditallow or di(coconutalkyl) derivs.
661-19-8, Behenyl alcohol 1070-01-5 1471-93-8, Dieicosyl
dimethylammonium chloride 1812-53-9, Dihexadecyl dimethylammonium
chloride 1838-08-0, Stearylamine hydrochloride 5466-77-3, Parsol MCX
6197-30-4, Octocrylene 7268-58-8 7317-85-3 9000-30-0D, Guar gum,
alkylated 9004-34-6D, Cellulose, alkyl ethers 10213-78-2 10394-90-8
10511-03-2D, quaternized, N,N-(hydrogenated tallow) derivs. 10517-44-9D,
quaternized, N-tallow derivs. 15763-02-7, Dioctyl malate 16889-14-8,
Diethyl amino ethylstearamide 17301-53-0, Behenyl trimethylammonium
chloride 20182-63-2, Stearamido propyldimethylamine 24964-82-7
26597-36-4, Didocosyl dimethylammonium chloride 26635-92-7, Ethoxylated
stearylamine 30781-73-8D, quaternized, N,N-ditallow derivs.
36653-82-4, Cetyl alcohol 56664-68-7D, quaternized, N,N-ditallow derivs.
61601-48-7, 1-Methyl-1-[(palmitoylamide)ethyl]-2-octadecyl-4,5-
dihydroimidazolinium chloride **70356-09-1**, Parsol 1789
71326-37-9, Dihexadecyl dimethylammonium acetate 72864-17-6D, N-fatty
acyl, tallow derivs. 81230-05-9, Diisostearyl malate 98932-83-3,
Macromelt 6212 111517-88-5, Propylene glycol ricinoleate 115809-93-3D,
quaternized, N,N-ditallow derivs. 133681-91-1 136959-34-7,
Glucquat-100
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic compns. containing structuring heteropolymers and oil-soluble
cationic surfactants)
IT **70356-09-1**, Parsol 1789
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic compns. containing structuring heteropolymers and oil-soluble
cationic surfactants)
RN 70356-09-1 HCAPLUS
CN 1,3-Propanedione, 1-[4-(1,1-dimethylethyl)phenyl]-3-(4-methoxyphenyl)-
(9CI) (CA INDEX NAME)



L24 ANSWER 21 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:465788 HCAPLUS
DN 137:37415

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TI   Cosmetic compositions containing heteropolymers and oil-soluble
     polymers
IN   Pinzon, Carlos O.; Thau, Paul
PA   L'oreal S. A., Fr.
SO   PCT Int. Appl., 60 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.          KIND  DATE          APPLICATION NO.   DATE
     ---------------     ----  --------      ---------------   --------
PI   WO 2002047657        A2   20020620      WO 2001-US47454   20011212
     WO 2002047657        A3   20031106
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
             TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
             CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     US 2002120036        A1   20020829      US 2000-733896    20001212
     US 2003125427        A9   20030703
     AU 2002026051        A5   20020624      AU 2002-26051     20011212
     BR 2001008280        A    20021029      BR 2001-8280      20011212
     EP 1392233           A2   20040303      EP 2001-995473    20011212
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     JP 2004515524        T2   20040527      JP 2002-549231    20011212
PRAI US 2000-733896       A    20001212
     WO 2001-US47454      W    20011212
AB   Structured compns. comprising at least one structuring polymer and at
     least one oil-soluble polymer chosen from alkyl celluloses and alkylated guar
     gums are described.  A structuring polymer may be a polyamide polymer.
     The compns. may be in the form of stable compns. such as, for example,
     make-up sticks, lip compns., sunscreen sticks, anhydrous lip compns., and
     anhydrous foundations.  For example, a clear anhydrous sunscreen stick
     composition contained: Phase A - diisostearyl malate 10 parts, dioctyl
     malate 20 parts, castor oil 30.6 parts, and propylene glycol ricinoleate
     10.5 parts; Phase B - a polyamide resin Macromelt 6212 16 parts; Phase C -
     cetyl alc. 2 parts; Phase D - benzophenone-3 3 parts and Parsol MCX 7.5
     parts.
IC   ICM  A61K007-48
     ICS  A61K007-02
CC   62-4 (Essential Oils and Cosmetics)
IT   Hair preparations
        (dyes; cosmetic compns. containing structuring heteropolymers and
        oil-soluble polymers in liquid fatty phase)
IT   112-72-1, Myristyl alcohol   112-92-5, Stearyl alcohol   131-57-7,
     Benzophenone-3   661-19-8, Behenyl alcohol   5466-77-3, Parsol MCX
     6197-30-4, Octocrylene   9000-30-0D, Guar gum, alkylated   9004-34-6D,
     Cellulose, ethers   9004-57-3, Ethyl cellulose   11078-30-1D,
     Galactomannan, C1-5 alkyl derivs.   15763-02-7, Dioctyl malate
     36653-82-4, Cetyl alcohol 70356-09-1, Parsol 1789   81230-05-9,
     Diisostearyl malate   98932-83-3, Macromelt 6212   110736-08-8, Ethyl guar
     gum   111517-88-5, Propylene glycol ricinoleate   136959-34-7,
     Glucquat-100
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (cosmetic compns. containing structuring heteropolymers and oil-soluble
        polymers in liquid fatty phase)
IT   70356-09-1, Parsol 1789
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (cosmetic compns. containing structuring heteropolymers and oil-soluble
        polymers in liquid fatty phase)
RN   70356-09-1  HCAPLUS
CN   1,3-Propanedione, 1-[4-(1,1-dimethylethyl)phenyl]-3-(4-methoxyphenyl)-
     (9CI)  (CA INDEX NAME)
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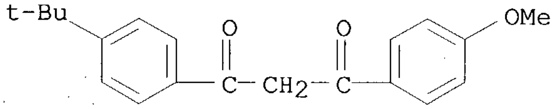

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L24  ANSWER 22 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2002:465755  HCAPLUS
DN   137:52016
TI   Cosmetic compositions containing heteropolymers
IN   Pinzon, Carlos O.; Thau, Paul
PA   L'oreal S. A., Fr.
SO   PCT Int. Appl., 77 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
PI   WO 2002047620      A2   20020620       WO 2001-US47496  20011212
     WO 2002047620      A3   20030703
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
             UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
             CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     US 2002111330      A1   20020815       US 2000-733897   20001212
     AU 2002056543      A5   20020624       AU 2002-56543    20011212
     BR 2001008267      A    20030305       BR 2001-8267     20011212
     EP 1339374         A2   20030903       EP 2001-270303   20011212
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     JP 2004515512      T2   20040527       JP 2002-549196   20011212
PRAI US 2000-733897     A    20001212
     WO 2001-US47496    W    20011212
OS   MARPAT 137:52016
AB   Structured compns. comprising at least one structuring polymer and at
     least two addnl. ingredients chosen from at least one oil-soluble polymer
     chosen from alkyl celluloses and alkylated guar gums, and at least one
     oil-soluble cationic polymer.  A structuring polymer may be a polyamide
     polymer.  The composition may be in the form of stable compns. such
     as, for example, make-up sticks, lip compns., sunscreen sticks, anhydrous lip
```

compns., and anhydrous foundations. For example, a sunscreen stick was prepared containing: Phase A - diisostearyl malate 10%, dioctyl malate 20%, castor oil 30.6%, and propylene glycol ricinoleate 10.5%; Phase B - a polyamide resin Macromelt 6212 16%; Phase C - cetyl alc. 2%; and Phase D - benzophenone-3 3%, and Parsol MCX 7.5%. The resulting **composition** was firm at room temperature and at elevated temps. (45°) the overall structure and stick characteristics remained unchanged.

IC ICM A61K007-00

CC 62-4 (Essential Oils and **Cosmetics**)

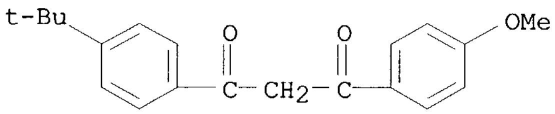
IT **Hair** preparations
(**dyes**; cosmetic compns. containing structuring heteropolymers and oil-soluble polymers)

IT 94-13-3, Propyl paraben 107-64-2, Dioctadecyl dimethylammonium chloride 112-72-1, Myristyl alcohol 112-92-5, Stearyl alcohol 122-19-0, Stearyl dimethyl benzylammonium chloride 124-28-7 131-57-7, Benzophenone-3 661-19-8, Behenyl alcohol 926-63-6, Propyldimethylamine 1070-01-5 1471-93-8, Dieicosyl dimethylammonium chloride 1812-53-9, Dihexadecyl dimethylammonium chloride 1838-08-0, Stearylamine hydrochloride 5466-77-3, Parsol MCX 6197-30-4, Octocrylene 7317-85-3 9000-30-0D, Guar gum, alkylated 9004-34-6D, Cellulose, alkyl ethers 9004-57-3, Ethyl cellulose 10394-90-8 11078-30-1D, Galactomannan, C1-5 alkyl derivs. 15763-02-7, Dioctyl malate 16889-14-8, Diethylaminoethylstearamide 17301-53-0, Behenyl trimethylammonium chloride 24964-82-7 26597-36-4, Didocosyl dimethylammonium chloride 26635-92-7, Ethoxylated stearylamine 35274-05-6, Cetyl lactate 36653-82-4, Cetyl alcohol 61601-48-7, 1-Methyl-1-[(palmitoylamide)ethyl]-2-octadecyl-4,5-dihydroimidazolinium chloride **70356-09-1**, Parsol 1789 71326-37-9, Dihexadecyl dimethylammonium acetate 74659-70-4 74819-91-3 81230-05-9, Diisostearyl malate 93385-14-9, Triisocetyl citrate 98932-83-3, Macromelt 6212 110736-08-8, Ethyl guar gum 111517-88-5, Propylene glycol ricinoleate 125594-44-7 136959-34-7, Glucquat-100 148718-35-8, Octyl hydroxystearate 437718-60-0D, fatty acid derivs. 437718-61-1 437718-62-2 438001-99-1
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic compns. containing structuring heteropolymers and oil-soluble polymers)

IT **70356-09-1**, Parsol 1789
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(cosmetic compns. containing structuring heteropolymers and oil-soluble polymers)

RN 70356-09-1 HCAPLUS

CN 1,3-Propanedione, 1-[4-(1,1-dimethylethyl)phenyl]-3-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



L24 ANSWER 23 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 2002:428661 HCAPLUS

DN 137:10703

TI Immobilization of active agents on **hair** fibers

IN Busch, Peter; Gassenmeier, Thomas Otto; Naumann, Frank; Huchel, Ursula

PA Henkel Kommanditgesellschaft Auf Aktien, Germany

SO PCT Int. Appl., 42 pp.

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     CODEN: PIXXD2
DT   Patent
LA   German
FAN.CNT 2
     PATENT NO.          KIND  DATE           APPLICATION NO.   DATE
     ---------------     ----  --------       ---------------   --------
PI   WO 2002043675        A2   20020606       WO 2001-EP13965   20011129
     WO 2002043675        A3   20021205
         W:  AU, BG, BR, BY, CA, CN, CZ, DZ, HU, ID, IL, IN, JP, KR, MX, NO,
             NZ, PL, RO, RU, SG, SI, SK, UA, US, UZ, VN, YU, ZA
         RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
             PT, SE, TR
     DE 10059749          A1   20020620       DE 2000-10059749 20001201
     AU 2002029578        A5   20020611       AU 2002-29578     20011129
     EP 1337229           A2   20030827       EP 2001-990457    20011129
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, FI, CY, TR
PRAI DE 2000-10059749   A     20001201
     WO 2001-EP13965    W     20011129
OS   MARPAT 137:10703
AB   The invention relates to a method for immobilizing active agents on
     fibers, preferably hair, to a composition comprising active
     components (e.g., carbohydrates such as aldoses, hexoses,) and to the use
     for restructuring, restoring and pos. influencing hair fiber
     characteristics such as volume, shine, hold, body, tactility, electrostatic
     charge and resistance to heat, UV and IR radiation.  Thus, a formulation
     contained 4-aminobutylgluconic acid amide 2.0, cetearyl alc. 5.5,
     Ceteareth-20 2.0, sodium laureth sulfate 1.5, Polyquaternium-10 0.8,
     cocoamidopropylbetaine 0.5, ammonium hydroxide qs, and water to 100%.
     This was mixed with a second formulation containing citronellal 1.5, acrylate
     copolymer 0.5, sodium laureth sulfate 0.3, and citric acid (buffer) qs and
     water to 100%.
IC   ICM  A61K007-00
CC   62-3 (Essential Oils and Cosmetics)
     Section cross-reference(s): 33, 40
ST   immobilization carbohydrate amine hair fiber prepn
IT   Carbohydrates, biological studies
     RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL
     (Biological study); USES (Uses)
        (aldonic acids, lactones; immobilization of active agents on
        hair fibers)
IT   Carbohydrates, biological studies
     RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL
     (Biological study); USES (Uses)
        (aldonic acids; immobilization of active agents on hair
        fibers)
IT   Glycosides
     RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL
     (Biological study); USES (Uses)
        (amino; immobilization of active agents on hair fibers)
IT   Fibers
     RL: TEM (Technical or engineered material use); USES (Uses)
        (cellulosic; immobilization of active agents on hair fibers)
IT   Fur
       Hair
       Hair preparations
     Human
     Immobilization, molecular or cellular
     Shampoos
     Silk
     Skin
     Sunscreens
     Wool
        (immobilization of active agents on hair fibers)
IT   Aldehydes, biological studies
     Amino acids, biological studies
     Carbohydrates, biological studies
     Carbonyl compounds (organic), biological studies
     Epoxides
     Glycosides
     Hexoses
     Ketones, biological studies
     Lactones
     Pentoses
     Tocopherols
     Vitamins
     RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL
     (Biological study); USES (Uses)
        (immobilization of active agents on hair fibers)
IT   Synthetic fibers
     RL: TEM (Technical or engineered material use); USES (Uses)
        (immobilization of active agents on hair fibers)
IT   Amines, biological studies
     RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL
     (Biological study); USES (Uses)
        (primary; immobilization of active agents on hair fibers)
IT   Amines, biological studies
     RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL
     (Biological study); USES (Uses)
        (secondary; immobilization of active agents on hair fibers)
IT   230305-46-1P   433702-67-1P
     RL: COS (Cosmetic use); RCT (Reactant); SPN (Synthetic preparation); TEM
     (Technical or engineered material use); BIOL (Biological study); PREP
     (Preparation); RACT (Reactant or reagent); USES (Uses)
        (immobilization of active agents on hair fibers)
IT   90-80-2   110-60-1, 1,4-Butanediamine   524-36-7
     RL: COS (Cosmetic use); RCT (Reactant); TEM (Technical or engineered
     material use); BIOL (Biological study); RACT (Reactant or reagent); USES
     (Uses)
        (immobilization of active agents on hair fibers)
IT   433693-22-2P   433702-81-9P   433702-83-1P
     RL: COS (Cosmetic use); SPN (Synthetic preparation); TEM (Technical or
     engineered material use); BIOL (Biological study); PREP (Preparation);
     USES (Uses)
        (immobilization of active agents on hair fibers)
IT   50-69-1, Ribose   50-81-7, Ascorbic acid, biological studies   52-90-4,
     L-Cysteine, biological studies   54-96-6, 3,4-Pyridinediamine   56-40-6,
     Glycine, biological studies   56-41-7, L-Alanine, biological studies
     56-45-1, L-Serine, biological studies   56-84-8, L-Aspartic acid,
     biological studies   56-85-9, L-Glutamine, biological studies   56-86-0,
     L-Glutamic acid, biological studies   56-87-1, L-Lysine, biological
     studies   56-89-3, L-Cystine, biological studies   58-85-5, Biotin
     58-86-6, Xylose, biological studies   59-23-4, Galactose, biological
     studies   59-30-3, Folic acid, biological studies   59-67-6, Nicotinic
     acid, biological studies   60-18-4, L-Tyrosine, biological studies
     60-33-3, Linoleic acid, biological studies   61-90-5, L-Leucine,
     biological studies   63-42-3, Lactose   63-68-3, L-Methionine, biological
     studies   63-91-2, L-Phenylalanine, biological studies   64-04-0,
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Benzeneethanamine 65-42-9, Lyxose 66-72-8, Pyridoxal 68-26-8, Retinol 69-79-4, Maltose 70-47-3, L-Asparagine, biological studies 71-00-1, L-Histidine, biological studies 72-18-4, L-Valine, biological studies 72-19-5, L-Threonine, biological studies 73-22-3, L-Tryptophan, biological studies 74-79-3, L-Arginine, biological studies 75-64-9, biological studies 76-22-2, Camphor 78-81-9 78-90-0, 1,2-Propanediamine 78-96-6 79-83-4, Pantothenic acid 83-88-5, Riboflavin, biological studies 85-87-0 95-54-5, 1,2-Benzenediamine, biological studies 96-15-1 98-86-2, Acetophenone, biological studies 100-46-9, Benzenemethanamine, biological studies 100-52-7, Benzaldehyde, biological studies 101-77-9 104-50-7, γ-Octanolactone 104-55-2, Cinnamaldehyde 104-61-0, γ-Nonanolactone 104-67-6, γ-Undecanolactone 104-98-3 106-50-3, 1,4-Benzenediamine, biological studies 106-51-4, 2,5-Cyclohexadiene-1,4-dione, biological studies 107-15-3, 1,2-Ethanediamine, biological studies 107-85-7 108-09-8 108-29-2, γ-Valerolactone 108-45-2, 1,3-Benzenediamine, biological studies 108-91-8, Cyclohexanamine, biological studies 109-49-9, 5-Hexen-2-one 109-73-9, 1-Butanamine, biological studies 109-76-2, 1,3-Propanediamine 110-58-7, 1-Pentanamine 110-62-3, Pentanal 111-26-2, 1-Hexanamine 111-68-2, 1-Heptanamine 111-86-4, 1-Octanamine 112-20-9, 1-Nonanamine 118-56-9 118-60-5 123-82-0, 2-Heptanamine 124-09-4, 1,6-Hexanediamine, biological studies 124-22-1, 1-Dodecanamine 131-57-7 136-44-7 139-65-1 141-43-5, biological studies 141-86-6, 2,6-Pyridinediamine 147-81-9, Arabinose 147-85-3, L-Proline, biological studies 150-13-0 156-81-0, 2,4-Pyrimidinediamine 156-87-6 373-44-4, 1,8-Octanediamine 452-58-4, 2,3-Pyridinediamine 462-94-2, 1,5-Pentanediamine 488-43-7 **504-20-1**, Phorone 506-32-1, Arachidonic acid 528-50-7, Cellobiose 534-03-2, Serinol 554-91-6, Gentiobiose 590-88-5, 1,3-Butanediamine 594-39-8 597-12-6, Melezitose 598-74-3 616-24-0, 3-Pentanamine 618-65-5, Helicin 621-95-4 621-96-5 625-33-2, 3-Penten-2-one 643-79-8, 1,2-Benzenedicarboxaldehyde 646-19-5, 1,7-Heptanediamine 646-24-2, 1,9-Nonanediamine 646-25-3, 1,10-Decanediamine 694-83-7, 1,2-Cyclohexanediamine 695-06-7, γ-Caprolactone 704-00-7 706-14-9, γ-Decanolactone 722-27-0 787-69-9 941-98-0 1003-03-8, Cyclopentanamine 1009-14-9, Valerophenone 1641-17-4 1664-40-0 1758-51-6, Erythrose 2016-42-4, 1-Tetradecanamine 2016-57-1, 1-Decanamine 2038-57-5, Benzenepropanamine 2045-79-6 2077-90-9 2152-76-3, Idose 2434-56-2, 4,6-Pyrimidinediamine 2508-29-4 2550-26-7, Benzylacetone 2783-17-7, 1,12-Dodecanediamine 2869-34-3, 1-Tridecanamine 3114-70-3, 1,4-Cyclohexanediamine 3218-02-8, Cyclohexanemethanamine 3240-09-3 3416-24-8 3458-28-4, Mannose 3796-70-1, Geranylacetone 3879-26-3, Nerylacetone 4048-33-3 4164-39-0, 1,4-Piperazinedicarboxaldehyde 4426-48-6, 1,2-Butanediamine 4795-29-3 5166-53-0 5332-73-0 5336-08-3 5586-73-2 5987-68-8, Altrose 6038-51-3, Allose 6168-72-5 6291-85-6 6322-07-2 6556-12-3, Glucuronic acid 6850-57-3 7307-55-3, 1-Undecanamine 7328-91-8 7535-00-4, Galactosamine 7568-93-6 10408-15-8 13000-25-4, Lactosamine 13214-66-9, Benzenebutanamine 13325-10-5 13754-19-3, 4,5-Pyrimidinediamine 14307-02-9 14309-57-0, 3-Nonen-2-one 15384-37-9 15673-00-4 16397-19-6 16499-88-0 17675-99-9 19163-87-2, Gulose 20818-25-1 25512-62-3, Cyclohexenone 25620-58-0 25659-22-7, 4-Hexen-2-one 26301-79-1 26445-06-7, Pyridinecarboxaldehyde 26912-67-4, Aminocyclohexanol 27154-67-2, Pentanone 27457-18-7, Octanone 28292-42-4, 3-Heptanamine 29299-43-2, Heptanone 29884-64-8, Threose 30077-17-9, Talose 30637-87-7, Hexanone 32780-06-6 33401-87-5, Panose 37806-29-4 40200-69-9 40898-95-1 40898-96-2 52813-63-5 60046-25-5 63493-28-7, 2-Pentanamine 64386-70-5 78687-63-5

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     89145-04-0, 1H-Pyrrolecarboxaldehyde   101313-53-5   167254-67-3
     433695-59-1   433702-65-9   433702-75-1
     RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL
     (Biological study); USES (Uses)
        (immobilization of active agents on hair fibers)
IT   50-99-7, Glucose, reactions   106-23-0   4318-76-7, 2,5-Pyridinediamine
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (immobilization of active agents on hair fibers)
IT   504-20-1, Phorone
     RL: COS (Cosmetic use); TEM (Technical or engineered material use); BIOL
     (Biological study); USES (Uses)
        (immobilization of active agents on hair fibers)
RN   504-20-1  HCAPLUS
CN   2,5-Heptadien-4-one, 2,6-dimethyl- (7CI, 8CI, 9CI)  (CA INDEX NAME)
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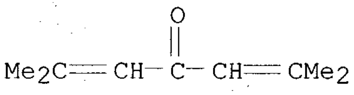
$Me_2C{=}CH{-}C({=}O){-}CH{=}CMe_2$

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L24  ANSWER 24 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2002:391480  HCAPLUS
DN   136:390756
TI   Composition for treating keratinous materials comprising a
     cationic associative polyurethane polymer and a protecting or conditioning
     agent
IN   Cottard, Francois; De la Mettrie, Roland
PA   L'Oreal, Fr.
SO   PCT Int. Appl., 76 pp.
     CODEN: PIXXD2
DT   Patent
LA   French
FAN.CNT 1
     PATENT NO.          KIND  DATE          APPLICATION NO.    DATE
     ---------------     ----  --------      ---------------    --------
PI   WO 2002039964       A1    20020523      WO 2001-FR3426     20011106
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA,
             UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     FR 2816834          A1    20020524      FR 2000-14949      20001120
     AU 2002023756       A5    20020527      AU 2002-23756      20011106
     EP 1337230          A1    20030827      EP 2001-996351     20011106
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     BR 2001015665       A     20030916      BR 2001-15665      20011106
     US 2004037796       A1    20040226      US 2003-432038     20030519
PRAI FR 2000-14949       A     20001120
     WO 2001-FR3426      W     20011106
AB   The invention concerns a composition for treating keratinous fibers,
     in particular human keratinous fibers such as hair, comprising in a
     physiol. acceptable medium, at least a protecting or conditioning agent,
     and further at least a cationic associative polyurethane polymer.  The
     invention also concerns dyeing methods and devices using said
     composition  A shampoo contained ethoxylated sodium lauryl sulfate 17,
     30% cocoylbetaine 2.5, cationic polymer 1.0, copra acid
     monisiopropanolamide 2-hydroxy-4-methoxybenzophenone-5-sulfonic acid,
     perfume and preservatives q.s., and water q.s. 100 g.
IC   ICM  A61K007-06
     ICS  A61K007-42
CC   62-4 (Essential Oils and Cosmetics)
     Section cross-reference(s): 38
ST   hair dye direct dye cationic polyurethane
IT   Polysiloxanes, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (Me hydrogen; composition for treating keratinous materials
        comprising cationic associative polyurethane polymer and protecting or
        conditioning agent)
IT   Polysiloxanes, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (Me vinyl; composition for treating keratinous materials
        comprising cationic associative polyurethane polymer and protecting or
        conditioning agent)
IT   Polysiloxanes, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (alkyl aryl; composition for treating keratinous materials
        comprising cationic associative polyurethane polymer and protecting or
        conditioning agent)
IT   Polysiloxanes, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (alkyl; composition for treating keratinous materials comprising
        cationic associative polyurethane polymer and protecting or
        conditioning agent)
IT   Polyelectrolytes
        (amphoteric; composition for treating keratinous materials
        comprising cationic associative polyurethane polymer and protecting or
        conditioning agent)
IT   Polysiloxanes, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (aryl; composition for treating keratinous materials comprising
        cationic associative polyurethane polymer and protecting or
        conditioning agent)
IT   Hair preparations
        (bleaches; composition for treating keratinous materials
        comprising cationic associative polyurethane polymer and protecting or
        conditioning agent)
IT   Polyelectrolytes
        (cationic; composition for treating keratinous materials
        comprising cationic associative polyurethane polymer and protecting or
        conditioning agent)
IT   Polysaccharides, biological studies
     Polyurethanes, biological studies
     RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
        (cationic; composition for treating keratinous materials
        comprising cationic associative polyurethane polymer and protecting or
        conditioning agent)
IT   Oxidizing agents
     Shampoos
     Surfactants
     Thickening agents
        (composition for treating keratinous materials comprising cationic
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associative polyurethane polymer and protecting or conditioning agent)

IT Ceramides
Cyclosiloxanes
Fatty acids, biological studies
Paraffin oils
Polyolefins
Polysiloxanes, biological studies
Waxes
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(**composition** for treating keratinous materials comprising cationic associative polyurethane polymer and protecting or conditioning agent)

IT Sulfonic acids, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(derivs.; **composition** for treating keratinous materials comprising cationic associative polyurethane polymer and protecting or conditioning agent)

IT Cyclosiloxanes
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(di-Me; **composition** for treating keratinous materials comprising cationic associative polyurethane polymer and protecting or conditioning agent)

IT Polysiloxanes, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(di-Ph, Me Ph, methoxy-terminated; **composition** for treating keratinous materials comprising cationic associative polyurethane polymer and protecting or conditioning agent)

IT **Hair** preparations
(**dyes**, oxidative; **composition** for treating **keratinous** materials comprising cationic associative polyurethane polymer and protecting or conditioning agent)

IT **Hair** preparations
(**dyes**; **composition** for treating **keratinous** materials comprising cationic associative polyurethane polymer and protecting or conditioning agent)

IT Alcohols, biological studies
Amines, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(fatty; **composition** for treating keratinous materials comprising cationic associative polyurethane polymer and protecting or conditioning agent)

IT Hair preparations
(permanent wave; **composition** for treating keratinous materials comprising cationic associative polyurethane polymer and protecting or conditioning agent)

IT Fats and Glyceridic oils, biological studies
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(vegetable; **composition** for treating keratinous materials comprising cationic associative polyurethane polymer and protecting or conditioning agent)

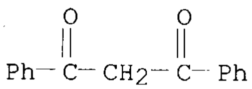
IT 69-72-7, Salicylic acid, biological studies 69-72-7D, Salicylic acid, salts 76-22-2D, Camphor, derivs. 79-10-7D, Acrylic acid, di-Ph derivs. 118-60-5, Octyl salicylate 118-92-3, Anthranilic acid 119-61-9D, Benzophenone, derivs. **120-46-7D**, Dibenzoylmethane, derivs. 131-57-7, 2-Hydroxy-4-methoxybenzophenone 150-13-0D, derivs. 271-89-6D, Benzofuran, derivs. 273-53-0D, Benzoxazole, derivs. 290-87-9D, 1,3,5-Triazine, hydroxyphenyl derivs. 4065-45-6, Uvinul ms 40 5466-77-3, 2-Ethylhexyl 4-methoxycinnamate 6197-30-4, Octocrylene 9000-30-0D, Guar gum, derivs. 9000-30-0D, Guar gum, reaction products with epoxypropyltrimethylammonium 9003-28-5, Polybutene 9003-39-8D, Polyvinylpyrrolidone, quaternary 9004-34-6D, Cellulose, derivs. 9004-62-0, Hydroxyethyl cellulose 9004-62-0D, Hydroxyethyl cellulose, reaction products with epoxide compds. 9016-00-6, Polydimethyl siloxane 15087-24-8D, Benzylidene camphor, derivs. 25232-42-2D, Polyvinylimidazole, quaternary 25429-38-3, Hydroxycinnamic acid 25429-38-3D, Hydroxycinnamic acid, salts 26062-79-3, Diallyldimethylammonium chloride homopolymer 26590-05-6, Acrylamide-diallyldimethylammonium chloride copolymer 27538-35-8D, Urocanic acid ethyl ester, derivs. 28791-69-7 31900-57-9, Polydimethyl siloxane 34354-88-6 37309-58-3, Polydecene 45633-15-6D, salts, reaction products with guar gum 54422-45-6 **70356-09-1**, 4-Tert-Butyl 4'-methoxydibenzoylmethane 96673-02-8 110483-07-3 129426-19-3 **149591-38-8** 150177-00-7 160065-31-6 191226-60-5D, derivs. 206052-70-2 245654-94-8 426835-76-9 426835-77-0

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(**composition** for treating keratinous materials comprising cationic associative polyurethane polymer and protecting or conditioning agent)

IT **120-46-7D**, Dibenzoylmethane, derivs. **70356-09-1**, 4-Tert-Butyl 4'-methoxydibenzoylmethane **149591-38-8**

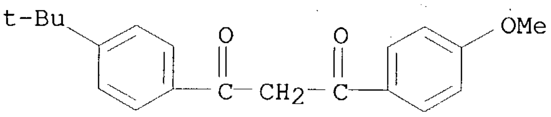
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(**composition** for treating keratinous materials comprising cationic associative polyurethane polymer and protecting or conditioning agent)

RN 120-46-7 HCAPLUS
CN 1,3-Propanedione, 1,3-diphenyl- (6CI, 8CI, 9CI) (CA INDEX NAME)

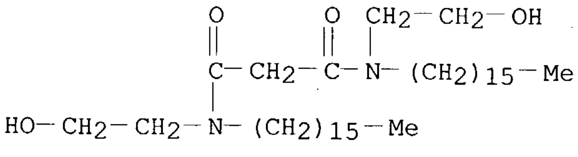


$\mathrm{Ph-C(=O)-CH_2-C(=O)-Ph}$

RN 70356-09-1 HCAPLUS
CN 1,3-Propanedione, 1-[4-(1,1-dimethylethyl)phenyl]-3-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



RN 149591-38-8 HCAPLUS
CN Propanediamide, N,N'-dihexadecyl-N,N'-bis(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



$\mathrm{HO-CH_2-CH_2-N((CH_2)_{15}-Me)-C(=O)-CH_2-C(=O)-N(CH_2-CH_2-OH)-(CH_2)_{15}-Me}$

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 25 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN

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AN   2002:184867  HCAPLUS
DN   136:236663
TI   Hair and skin compositions containing a dibenzoylmethane
     derivative and an α-alkylstyrene dimer
IN   Forestier, Serge
PA   L'Oreal, Fr.
SO   PCT Int. Appl., 31 pp.
     CODEN: PIXXD2
DT   Patent
LA   French
FAN.CNT 1
     PATENT NO.       KIND  DATE           APPLICATION NO.  DATE
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PI   WO 2002019979     A2   20020314       WO 2001-FR2655   20010823
     WO 2002019979     A3   20020815
         W:  JP, US
         RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
             PT, SE, TR
     FR 2813526        A1   20020308       FR 2000-11304    20000905
     FR 2813527        A1   20020308       FR 2000-16791    20001221
     FR 2813527        B1   20040123
     EP 1367986        A2   20031210       EP 2001-963119   20010823
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, FI, CY, TR
     US 2003165443     A1   20030904       US 2003-129483   20030319
PRAI FR 2000-11304     A    20000905
     FR 2000-16791     A    20001221
     WO 2001-FR2655    W    20010823
OS   MARPAT 136:236663
AB   The invention concerns a cosmetic or dermatol. composition, for
     topical use, in particular for solar protection of the skin and hair.  The
     invention is characterized in that it comprises in a cosmetically
     acceptable carrier: (a) 0.1 to 20 weight of a UV filter derived from
     dibenzoylmethane; and (b) 0.1 to 20 weight of a particular
     α-alkylstyrene dimer.  The invention also concerns a novel method
     for enhancing the stability of at least a dibenzoylmethane derivative towards
     UV radiation which consists in associating with said dibenzoylmethane
derivative
     an efficient amount of at least a particular α-alkylstyrene dimer.  A
     composition contained ethoxylated polydimethylmethylceylmethylsiloxane
     2, phenyltrimethylsiloxanytrisiloxane 3, Witconol TN 8, drometrizole
     trisiloxane 2, butylmethoxydibenzoylmethane 2, an α-alkylstyrene
     dimer, 6, titanium oxide 3, glycerin 5, magnesium sulfate 0.7,
     preservatives q.s., and water q.s. 100 g.
IC   ICM  A61K007-42
CC   62-3 (Essential Oils and Cosmetics)
IT   Anti-inflammatory agents
     Antioxidants
       Dyes
     Hair preparations
     Insecticides
     Opacifiers
     Perfumes
     Pigments, nonbiological
     Preservatives
     Propellants (sprays and foams)
     Stabilizing agents
     Sunscreens
     Surfactants
```
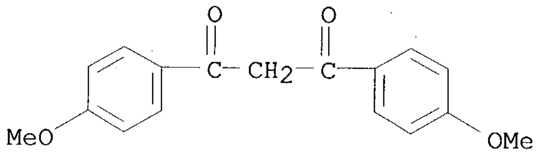

Thickening agents
UV A radiation
UV B radiation
(**hair** and skin compns. containing dibenzoylmethane derivative and α-alkylstyrene dimer)

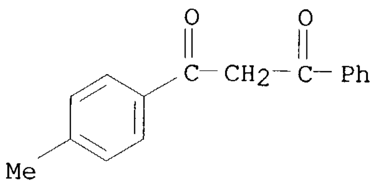
IT 69-72-7D, Salicylic acid, derivs. 76-22-2D, Camphor, derivs. 79-10-7D, Acrylic acid, di-Ph derivs. 95-14-7D, 1H-Benzotriazole, derivs. 101-05-3D, Triazine, derivs. 118-60-5 119-61-9D, Benzophenone, derivs. 131-57-7, Benzophenone 3 150-13-0D, p-Aminobenzoic acid, derivs. 1314-13-2, Zinc oxide, biological studies 1314-23-4, Zirconium oxide, biological studies 1332-37-2, Iron oxide, biological studies 2116-84-9, Dow corning 556 2440-22-4, Drometrizole 4065-45-6, Benzophenone 4 6197-30-4, Octocrylene 6628-37-1, Benzophenone 5 11129-18-3, Cerium oxide 13463-67-7, Titanium oxide, biological studies **18362-51-1**, 4,4'-Dimethoxydibenzoylmethane **25855-99-6** 28299-33-4D, Imidazoline, derivs. 42557-10-8, Dow corning 200 **55846-72-5 61001-54-5 63250-25-9**, 4-Isopropyldibenzoylmethane **63250-26-0 63250-28-2 63250-29-3 70356-09-1**, 4-tert-Butyl-4'-methoxydibenzoylmethane 88122-99-0, Uvinul t 150 92761-26-7, Mexoryl sx **93851-27-5 93851-28-6 93851-29-7 93885-98-4** 103597-45-1 187393-00-6, Tinosorb S 191419-26-8, Anisotriazine 271785-25-2 271785-27-4 349580-12-7 **403658-04-8**
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hair and skin compns. containing dibenzoylmethane derivative and α-alkylstyrene dimer)

IT **18362-51-1**, 4,4'-Dimethoxydibenzoylmethane **25855-99-6 55846-72-5 61001-54-5 63250-25-9**, 4-Isopropyldibenzoylmethane **63250-26-0 63250-28-2 63250-29-3 70356-09-1**, 4-tert-Butyl-4'-methoxydibenzoylmethane **93851-27-5 93851-28-6 93851-29-7 93885-98-4 403658-04-8**
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(hair and skin compns. containing dibenzoylmethane derivative and α-alkylstyrene dimer)

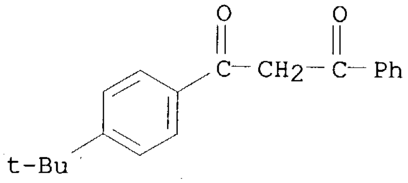
RN 18362-51-1 HCAPLUS
CN 1,3-Propanedione, 1,3-bis(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



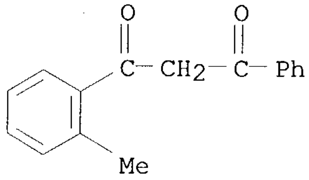
RN 25855-99-6 HCAPLUS
CN 1,3-Propanedione, 1-(4-methylphenyl)-3-phenyl- (9CI) (CA INDEX NAME)



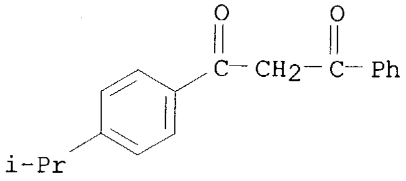
RN 55846-72-5 HCAPLUS
CN 1,3-Propanedione, 1-[4-(1,1-dimethylethyl)phenyl]-3-phenyl- (9CI) (CA INDEX NAME)



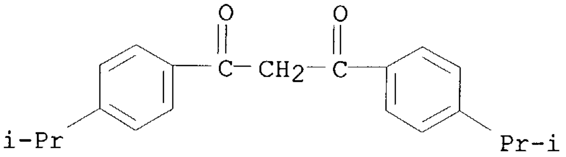
RN 61001-54-5 HCAPLUS
CN 1,3-Propanedione, 1-(2-methylphenyl)-3-phenyl- (9CI) (CA INDEX NAME)



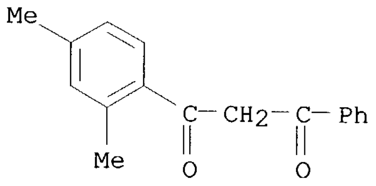
RN 63250-25-9 HCAPLUS
CN 1,3-Propanedione, 1-[4-(1-methylethyl)phenyl]-3-phenyl- (9CI) (CA INDEX NAME)



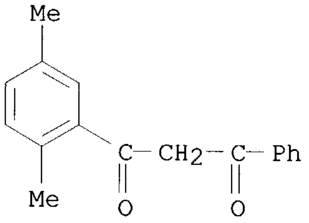
RN 63250-26-0 HCAPLUS
CN 1,3-Propanedione, 1,3-bis[4-(1-methylethyl)phenyl]- (9CI) (CA INDEX NAME)



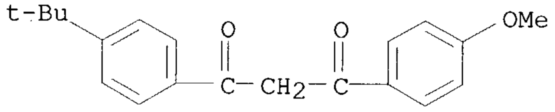
RN 63250-28-2 HCAPLUS
CN 1,3-Propanedione, 1-(2,4-dimethylphenyl)-3-phenyl- (9CI) (CA INDEX NAME)



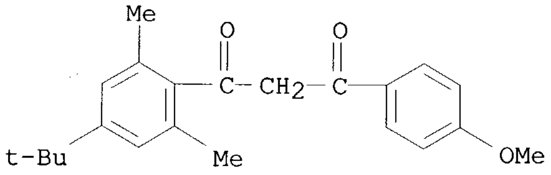
RN 63250-29-3 HCAPLUS
CN 1,3-Propanedione, 1-(2,5-dimethylphenyl)-3-phenyl- (9CI) (CA INDEX NAME)



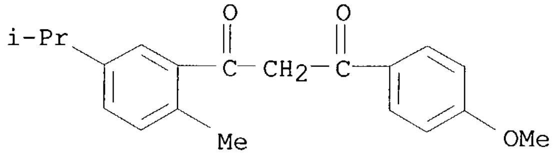
RN 70356-09-1 HCAPLUS
CN 1,3-Propanedione, 1-[4-(1,1-dimethylethyl)phenyl]-3-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



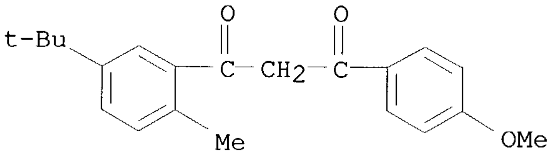
RN 93851-27-5 HCAPLUS
CN 1,3-Propanedione, 1-[4-(1,1-dimethylethyl)-2,6-dimethylphenyl]-3-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



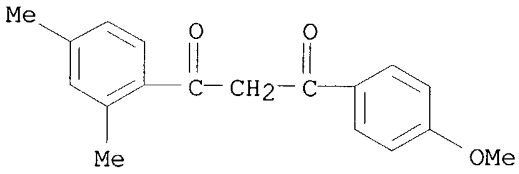
RN 93851-28-6 HCAPLUS
CN 1,3-Propanedione, 1-(4-methoxyphenyl)-3-[2-methyl-5-(1-methylethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 93851-29-7 HCAPLUS
CN 1,3-Propanedione, 1-[5-(1,1-dimethylethyl)-2-methylphenyl]-3-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)

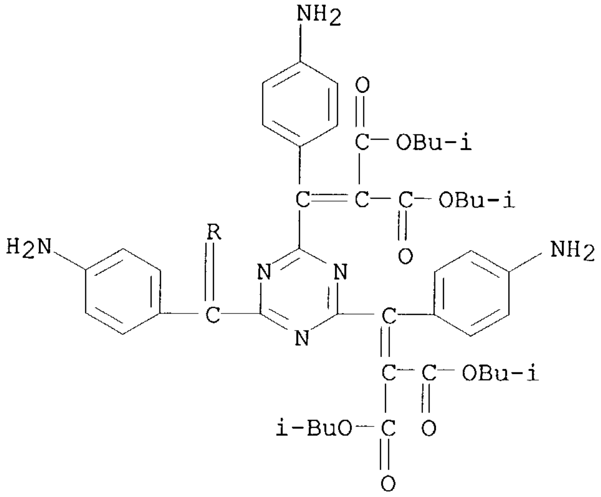


RN 93885-98-4 HCAPLUS
CN 1,3-Propanedione, 1-(2,4-dimethylphenyl)-3-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)

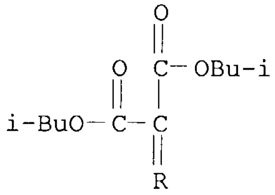


RN 403658-04-8 HCAPLUS
CN Propanedioic acid, 2,2',2''-[1,3,5-triazine-2,4,6-triyltris[(4-aminophenyl)methylidyne]]tris-, hexakis(2-methylpropyl) ester (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



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L24  ANSWER 26 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2002:131491  HCAPLUS
DN   136:189104
TI   Self dosing sunscreen formulations
IN   Hed, Aharon Zeev; Pavelle, Richard; Aisenberg, Sol; Freedman, George
PA   Invent Resources, Inc., USA
SO   U.S., 12 pp.
     CODEN: USXXAM
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.          KIND  DATE          APPLICATION NO.   DATE
     ---------------     ----  --------      ---------------   --------
PI   US 6348218           B1   20020219      US 1999-411085    19991004
     WO 2003041666        A1   20030522      WO 2001-US29925   20010925
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
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             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,
             PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
             UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
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BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI US 1999-411085 A 19991004

AB A self dosing skin **composition** releases a sun blocking agent or other active ingredients onto the skin of a user as a function of exposure to at least 1 environmental condition over time. The environmental condition is preferably exposure to sun light, in particular, harmful UV radiation. The **composition** includes a medium adapted to be spread onto the skin of a user and a reservoir defining at least 1 wall for containing at least one sun blocking or other agent. The reservoir is dispersed in the medium and the wall is designed and/or selected to deteriorate over time with exposure to the environmental condition or conditions, for releasing the agent into the medium and onto the skin. At least 1 agent is provided in the reservoir. The reservoir is preferably in the form of a multiplicity of microcapsules dispersed in the medium, each microcapsule having a wall containing the at least 1 agent, each wall deteriorating over time with exposure to the at least one environmental condition for opening the microcapsule to release the agent.

IC ICM A61K009-50

NCL 424489000

CC 62-4 (Essential Oils and **Cosmetics**)

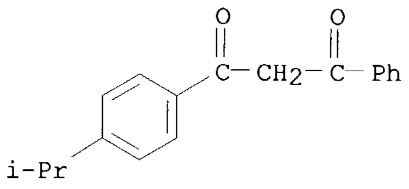
IT **Hair** preparations
(**dyes**; self dosing sunscreen formulations)

IT 50-81-7, Ascorbic acid, biological studies 63-25-2, 1-Naphthyl N-methylcarbamate 69-72-7D, Salicylic acid, derivs. 88-12-0, biological studies 88-12-0D, alkyl derivs, 101-20-2, N-(4-Chlorophenyl)-N'-(3,4-dichlorophenyl)urea 118-92-3D, Anthranilic acid, derivs. 119-61-9D, Benzophenone, derivs. 131-57-7, Escalol 567 134-20-3, Methyl anthranilate 150-13-0, PABA 150-13-0D, PABA, derivs. 621-82-9D, Cinnamic acid, derivs. 1321-11-5D, Aminobenzoic acid, esters 4065-45-6, Sulisobenzone 6197-30-4 9002-89-5, Polyvinyl alcohol 9003-05-8D, Polyacrylamide, derivs. 9003-39-8, Vinylpyrrolidone homopolymer 9004-34-6D, Cellulose, derivs. 9004-62-0, Hydroxyethyl cellulose 9004-64-2, Hydroxypropyl cellulose 25104-37-4, Vinyl ethyl ether homopolymer 27503-81-7, 2-Phenylbenzimidazole-5-sulfonic acid 36861-47-9 50867-85-1 **63250-25-9**, 4-Isopropyldibenzoylmethane **70356-09-1**, Butylmethoxydibenzoylmethane 78491-02-8 399512-10-8
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(self dosing sunscreen formulations)

IT **63250-25-9**, 4-Isopropyldibenzoylmethane **70356-09-1**, Butylmethoxydibenzoylmethane
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(self dosing sunscreen formulations)

RN 63250-25-9 HCAPLUS

CN 1,3-Propanedione, 1-[4-(1-methylethyl)phenyl]-3-phenyl- (9CI) (CA INDEX NAME)



RN 70356-09-1 HCAPLUS

CN 1,3-Propanedione, 1-[4-(1,1-dimethylethyl)phenyl]-3-(4-methoxyphenyl)-

```
      (9CI)  (CA INDEX NAME)
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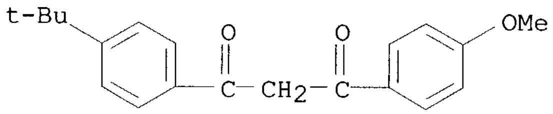

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RE.CNT  1       THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
                ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24  ANSWER 27 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2001:730522  HCAPLUS
DN   135:293677
TI   Stable alkaline hair bleaching compositions and method for use
     thereof
IN   Dias, Louis Carlos
PA   The Procter + Gamble Company, USA
SO   PCT Int. Appl., 73 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.        KIND  DATE          APPLICATION NO.  DATE
     ---------------   ----  --------      ---------------  --------
PI   WO 2001072272      A2   20011004      WO 2001-US9235   20010323
     WO 2001072272      A3   20020523
         W:  AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,
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             FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP,
             KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX,
             MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM,
             TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD,
             RU, TJ, TM
        RW:  GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     US 6540791         B1   20030401      US 2000-537451   20000327
PRAI US 2000-537451     A    20000327
AB   An alkaline hair bleaching composition comprising (a) from about 0.01 to
     about 12, by weight, of at least one oxidizing agent; (b) from about 0.2 to
     about 20, by weight, of a buffering system, present in an amount sufficient to
     generate a pH of the composition in the range from about 5 to about
     11, wherein said buffering system comprises at least one pH modifying
     ingredient selected from the group consisting of (i) borates buffers, (ii)
     alkalizing agents, and mixts. thereof; (c) from about 150 ppm to about
     5,000 ppm of at least one stabilizer; and (d) from about 0.01 to about 50,
     by weight, of at least one hair care ingredient selected from the group
     consisting of (i) surfactants, (ii) catalysts, (iii) thickeners, (iv)
     conditioners, and mixts. thereof.  A hair bleaching and
     coloring composition contained hydrogen peroxide 3, disodium
     tetraborate decahydrate 0.5, cyclohexane-1,2-diaminotetrakisphosphonic
     acid 0.1, PEG-2 hydrogenated tallow amine 0.3, cetearyl alc. 5, water and
     minors q.s. 100.
IC   ICM  A61K007-135
CC   62-3 (Essential Oils and Cosmetics)
ST   stability alk hair bleach color oxidant
IT   Dyes
```
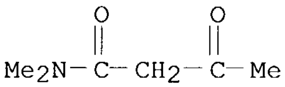

(basic; stable alkaline **hair** bleaching compns. and method for use thereof)
IT **Dyes**
(direct, cationic; stable alkaline **hair** bleaching compns. and method for use thereof)
IT **Hair** preparations
(**dyes**, oxidative; stable alkaline **hair** bleaching compns. and method for use thereof)
IT **Hair** preparations
(**dyes**; stable alkaline **hair** bleaching compns. and method for use thereof)
IT **Dyes**
(nitro; stable alkaline **hair** bleaching compns. and method for use thereof)
IT Anthraquinone **dyes**
Azo **dyes**
Buffers
Catalysts
Chamaemelum nobile
Chamomile
Indigofera
Lawsonia inermis
Lawsonia inermis alba
Oxidizing agents
Stabilizing agents
Surfactants
Thickening agents
(stable alkaline **hair** bleaching compns. and method for use thereof)
IT **Dyes**
(vat; stable alkaline **hair** bleaching compns. and method for use thereof)
IT 83-56-7, 1,5-Dihydroxynaphthalene 83-72-7, 2-Hydroxy-1,4-naphthoquinone 87-66-1, Pyrogallol 89-25-8 90-15-3, 1-Naphthol 95-54-5, o-Phenylenediamine, biological studies 95-55-6, o-Aminophenol 95-70-5, p-Toluenediamine 95-88-5, 4-Chlororesorcinol 101-54-2, N-Phenyl-p-phenylenediamine 106-50-3, p-Phenylenediamine, biological studies 107-43-7D, Betaine, cocamidopropyl derivs. 108-26-9 108-45-2, 1,3-Benzenediamine, biological studies 108-46-3, Resorcinol, biological studies 119-34-6, 4-Amino-2-nitrophenol 123-30-8, p-Aminophenol 141-43-5, Monoethanolamine, biological studies 506-87-6, Ammonium carbonate 520-36-5, 4',5,7-Trihydroxyflavone 533-31-3, 3,4-Methylenedioxyphenol 575-38-2, 1,7-Dihydroxynaphthalene 591-27-5 608-25-3, 2-Methylresorcinol 609-21-2, 4-Amino-2,6-dibromophenol 612-76-0, m-Diphenol 615-05-4, 2,4-Diaminoanisole 1004-74-6, 2,4,5,6-Tetraaminopyrimidine 1066-33-7, Ammonium hydrogen carbonate 1066-51-9, Aminomethylene phosphonic acid 1066-51-9D, Aminomethylene phosphonic acid, water-soluble salts 1303-96-4, Disodium tetraborate decahydrate 1310-73-2, Sodium hydroxide, biological studies 1336-21-6, Ammonium hydroxide **2044-64-6**, N,N-Dimethyl acetoacetamide **2235-46-3**, N,N-Diethyl acetoacetamide 2628-69-5 2749-59-9 2809-21-4D, alkali metal derivs. 2835-95-2, 4-Amino-2-hydroxytoluene 2835-99-6, 3-Methyl-4-aminophenol 3131-52-0, 5,6-Dihydroxyindole 5307-00-6, 2-Methyl-5-methoxy-p-phenylenediamine 5307-02-8, 2,5-Diaminoanisole 5307-14-2, Nitro-p-phenylenediamine 5930-28-9, 4-Amino-2,6-dichlorophenol 6419-19-8, Nitrilotrimethylene phosphonic acid 7218-02-2, 2,6-Dimethyl-p-phenylenediamine 7439-96-5D, Manganese, salts, biological studies 7440-02-0D, Nickel, salts, biological studies 7440-22-4D, Silver, salts, biological studies 7440-48-4D, Cobalt, salts,

biological studies 7440-50-8D, Copper, salts, biological studies
7440-69-9D, Bismuth, salts, biological studies 7575-35-1,
N,N-Bis(2-hydroxyethyl)-p-phenylenediamine 9000-92-4, Amylase
9001-62-1, Lipase 9001-92-7, Protease 9003-99-0, Peroxidase
9012-54-8, Cellulase 9013-79-0, Esterase 9031-11-2, Lactase
9032-75-1, Pectinase 9055-15-6, Oxidoreductase 16867-03-1,
2-Amino-3-hydroxypyridine 25620-59-1, Aminoanthraquinone 27522-09-4,
Ammonium borate 29757-24-2 43093-74-9, Nitroaminophenol 44170-50-5D,
Ethylene triamine, hydroxyethyl derivs. 51377-41-4, Cutinase
55302-96-0, 5-(2-Hydroxyethylamino)-2-methylphenol 66566-48-1
68651-46-7, Indigo (**dye**) 73793-80-3, 2,5-Diaminobenzyl alcohol
80498-15-3, Laccase 81892-72-0, 1,3-Bis(2,4-diaminophenoxy)propane
84540-47-6, 2,6-Dihydroxy-3,4-dimethylpyridine 84540-50-1 93841-24-8,
2-(2,5-Diaminophenyl)ethanol 126596-25-6 233265-18-4, aculyn 46
364050-36-2
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(stable alkaline **hair** bleaching compns. and method for use
thereof)

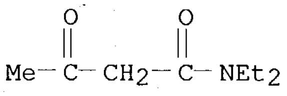
IT **2044-64-6**, N,N-Dimethyl acetoacetamide **2235-46-3**,
N,N-Diethyl acetoacetamide
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(stable alkaline **hair** bleaching compns. and method for use
thereof)

RN 2044-64-6 HCAPLUS
CN Butanamide, N,N-dimethyl-3-oxo- (9CI) (CA INDEX NAME)



$Me_2N-\overset{\overset{O}{\|}}{C}-CH_2-\overset{\overset{O}{\|}}{C}-Me$

RN 2235-46-3 HCAPLUS
CN Butanamide, N,N-diethyl-3-oxo- (9CI) (CA INDEX NAME)



$Me-\overset{\overset{O}{\|}}{C}-CH_2-\overset{\overset{O}{\|}}{C}-NEt_2$

L24 ANSWER 28 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:730521 HCAPLUS
DN 135:293676
TI Stable alkaline **hair** bleaching and **coloring**
compositions and method for use thereof
IN Dias, Louis Carlos
PA The Procter + Gamble Company, USA
SO PCT Int. Appl., 71 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001072271	A2	20011004	WO 2001-US9213	20010323

WO 2001072271 A3 20020321
W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EE, EE, ES, FI,
FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP,
KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX,
MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM,
TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD,
RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
PRAI US 2000-537452 A 20000327

AB An alkaline **hair** bleaching and **coloring composition** comprising: (a) from about 0.01 to about 12, by weight, of at least one oxidizing agent; (b) from about 0.2 to about 20, by weight, of a buffering system, present in an amount sufficient to generate a pH of the **composition** in the range from about 5 to about 11, wherein said buffering system comprises at least one pH modifying ingredient selected from the group consisting of (i) borates buffers, (ii) alkalizing agents, and mixts. thereof; (c) from about 150 ppm to about 5,000 ppm of at least one stabilizer; and (d) from about 0.001 to about 5 , by weight, of at least one **hair coloring** agent. A **hair** bleaching and **coloring composition** contained hydrogen peroxide 3, disodium tetraborate decahydrate 0.5, cyclohexane-1,2-diaminotetrakisphosphonic acid 0.1, alkyl dimethylamine oxide 0.3, cetearyl alc. 5, HC Red Number 3 0.3, HC Red Number 2 0.1, water and minors q.s. 100.

IC ICM A61K007-135
ICS A61K007-13
CC 62-3 (Essential Oils and **Cosmetics**)
ST stability alk **hair** bleach **color** oxidant
IT Polysiloxanes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(3-[(2-aminoethyl)amino]-2-methylpropyl Me, di-Me, Q 2-8220; stable alkaline **hair** bleaching and **coloring** compns. and method for use thereof)
IT **Dyes**
(basic; stable alkaline **hair** bleaching and **coloring** compns. and method for use thereof)
IT Hair preparations
(bleaches; stable alkaline **hair** bleaching and **coloring** compns. and method for use thereof)
IT Hair preparations
(conditioners; stable alkaline **hair** bleaching and **coloring** compns. and method for use thereof)
IT **Dyes**
(direct, cationic; stable alkaline **hair** bleaching and **coloring** compns. and method for use thereof)
IT **Hair** preparations
(**dyes**, oxidative; stable alkaline **hair** bleaching and **coloring** compns. and method for use thereof)
IT **Hair** preparations
(**dyes**; stable alkaline **hair** bleaching and **coloring** compns. and method for use thereof)
IT Logwood (Haematoxylon campechianum)
(extract; stable alkaline **hair** bleaching and **coloring** compns. and method for use thereof)

IT Amines, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(heterocyclic; stable alkaline **hair** bleaching and **coloring** compns. and method for use thereof)
IT Walnut
(hull; stable alkaline **hair** bleaching and **coloring** compns. and method for use thereof)
IT **Dyes**
(nitro; stable alkaline **hair** bleaching and **coloring** compns. and method for use thereof)
IT Gall (plant tumor)
(nutgall; stable alkaline **hair** bleaching and **coloring** compns. and method for use thereof)
IT Phosphates, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(organic; stable alkaline **hair** bleaching and **coloring** compns. and method for use thereof)
IT Carboxylic acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(polycarboxylic acid esters; stable alkaline **hair** bleaching and **coloring** compns. and method for use thereof)
IT Anthraquinone **dyes**
Azo **dyes**
Buffers
Catalysts
Chamaemelum nobile
Chamomile
Indigofera
Lawsonia inermis
Lawsonia inermis alba
Oxidizing agents
Stabilizing agents
Surfactants
Thickening agents
(stable alkaline **hair** bleaching and **coloring** compns. and method for use thereof)
IT Alkali metal hydroxides
Alkali metals, biological studies
Borates
Enzymes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(stable alkaline **hair** bleaching and **coloring** compns. and method for use thereof)
IT **Dyes**
(vat; stable alkaline **hair** bleaching and **coloring** compns. and method for use thereof)
IT 83-56-7, 1,5-Dihydroxynaphthalene 83-72-7, 2-Hydroxyl,4-naphthoquinone 87-66-1, Pyrogallol 89-25-8 90-15-3, 1-Naphthol 95-54-5, o-Phenylenediamine, biological studies 95-55-6, o-Aminophenol 95-70-5, p-Toluenediamine 95-88-5, 4-Chlororesorcinol 101-54-2, N-Phenyl-p-phenylenediamine 106-50-3, p-Phenylenediamine, biological studies 108-26-9 108-45-2, 1,3-Benzenediamine, biological studies 108-46-3, Resorcinol, biological studies 119-34-6, 4-Amino-2-nitrophenol 123-30-8, p-Aminophenol 141-43-5, monoethanolamine, biological studies 506-87-6, ammonium carbonate 520-36-5, 4',5,7-Trihydroxyflavone

533-31-3, 3,4-Methylenedioxyphenol 575-38-2, 1,7-Dihydroxynaphthalene 591-27-5 608-25-3, 2-Methylresorcinol 609-21-2, 4-Amino-2,6-dibromophenol 612-76-0, m-Diphenol 615-05-4, 2,4-Diaminoanisole 1004-74-6, 2,4,5,6-Tetraaminopyrimidine 1066-33-7, ammonium hydrogen carbonate 1066-51-9, Aminomethylene phosphonic acid 1066-51-9D, Aminomethylene phosphonic acid, water-soluble salts 1303-96-4, Disodium tetraborate decahydrate 1310-73-2, sodium hydroxide, biological studies 1336-21-6, ammonium hydroxide **2044-64-6**, N,N-Dimethylacetoacetamide **2235-46-3**, N,N-Diethylacetoacetamide 2628-69-5 2749-59-9 2809-21-4D, alkali metal derivs. 2835-95-2, 4-Amino-2-hydroxytoluene 2835-99-6, 3-Methyl-4-aminophenol 5307-00-6, 2-Methyl-5-methoxy-p-phenylenediamine 5307-02-8, 2,5-Diaminoanisole 5307-14-2, Nitro-p-phenylenediamine 5930-28-9, 4-Amino-2,6-dichlorophenol 6419-19-8, Nitrilotrimethylenephosphonic acid 7218-02-2, 2,6-Dimethyl-p-phenylenediamine 7439-96-5D, Manganese, salts, biological studies 7440-02-0D, Nickel, salts, biological studies 7440-22-4D, silver, salts, biological studies 7440-48-4D, Cobalt, salts, biological studies 7440-50-8D, Copper, salts, biological studies 7440-69-9D, Bismuth, salts, biological studies 7575-35-1 7722-84-1, Hydrogen peroxide, biological studies 9000-92-4, amylase 9001-62-1, lipase 9001-92-7, protease 9003-99-0, peroxidase 9012-54-8, cellulase 9013-79-0, Esterase 9031-11-2, lactase 9032-75-1, pectinase 9055-15-6, Oxidoreductase 16867-03-1, 2-Amino-3-hydroxypyridine 25620-59-1, Aminoanthraquinone 27522-09-4, ammonium borate 29757-24-2 43093-74-9, Nitroaminophenol 44170-50-5D, Ethylene triamine, hydroxyethyl derivs. 51377-41-4, cutinase 55302-96-0 66566-48-1 68651-46-7, Indigo (**dye**) 73793-80-3, 2,5-Diaminobenzyl alcohol 80498-15-3, laccase 81892-72-0, 1,3-Bis(2,4-diaminophenoxy)propane 84540-47-6, 2,6-Dihydroxy-3,4-dimethylpyridine 84540-50-1 93841-24-8, 2-(2,5-Diaminophenyl)ethanol 126596-25-6 364050-36-2

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(stable alkaline **hair** bleaching and **coloring** compns. and method for use thereof)

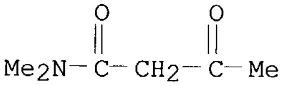
IT **2044-64-6**, N,N-Dimethylacetoacetamide **2235-46-3**, N,N-Diethylacetoacetamide

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(stable alkaline **hair** bleaching and **coloring** compns. and method for use thereof)

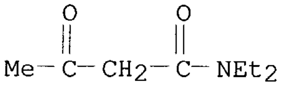
RN 2044-64-6 HCAPLUS

CN Butanamide, N,N-dimethyl-3-oxo- (9CI) (CA INDEX NAME)


$\mathrm{Me_2N-\overset{O}{\overset{\|}{C}}-CH_2-\overset{O}{\overset{\|}{C}}-Me}$

RN 2235-46-3 HCAPLUS

CN Butanamide, N,N-diethyl-3-oxo- (9CI) (CA INDEX NAME)


$\mathrm{Me-\overset{O}{\overset{\|}{C}}-CH_2-\overset{O}{\overset{\|}{C}}-NEt_2}$

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L24  ANSWER 29 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2001:676561  HCAPLUS
DN   135:246997
TI   Oxidation dyeing composition for keratinous
     fibers with a particular paraphenylenediamine derivative and a particular
     direct dyeing agent
IN   Lang, Gerard
PA   L'Oreal, Fr.
SO   PCT Int. Appl., 49 pp.
     CODEN: PIXXD2
DT   Patent
LA   French
FAN.CNT 1
     PATENT NO.        KIND  DATE          APPLICATION NO.   DATE
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PI   WO 2001066068      A1   20010913      WO 2001-FR644     20010305
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
             HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
             LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
             RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ,
             VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     FR 2805741         A1   20010907      FR 2000-2862      20000306
     FR 2805741         B1   20030620
     BR 2001009021      A    20021126      BR 2001-9021      20010305
     EP 1263397         A1   20021211      EP 2001-911846    20010305
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     JP 2003528053      T2   20030924      JP 2001-564721    20010305
     US 2003159221      A1   20030828      US 2003-333663    20030410
PRAI FR 2000-2862       A    20000306
     WO 2001-FR644      W    20010305
OS   MARPAT 135:246997
AB   The invention concerns an oxidation dyeing composition for
     keratinous fibers, and in particular human keratinous fibers such
     as hair comprising, in a medium suitable for dyeing, at least an oxidation
     base selected among certain substituted paraphenylenediamine derivs. and
     their addition salts with an acid, and at least a synthetic direct dyeing
     agent selected among the azo, quinoid, triarylmethane, indoamino, azine
     dyes and/ or a natural dye.  The invention also concerns a dyeing method
     using said composition  A hair dye compn
     . contained 1-(4'-amino-3'-methylphenyl)-4-hydroxy-2-methyl-pyrrolidine
     dihydrochloride 0.837, 2,4-diamino-1-(β-hydroxyethyloxy)-benzene
     0.723, Miranol A15 1, and water and excipients q.s. 100 g.  Equal amount of
     above composition is mixed with 20 volume hydrogen peroxide and applied
     on the hair for 30 min, the hair is then rinsed, washed with a shampoo,
     rinsed and dried to obtain a blue color.
IC   ICM  A61K007-13
CC   62-3 (Essential Oils and Cosmetics)
ST   oxidative hair dye paraphenylenediamine direct
     dye
IT   Bromates
     RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
     (Uses)
        (alkali metal salts; oxidative hair dyes containing
       paraphenylenediamine derivs. direct dyes)
IT  Polyelectrolytes
    Surfactants
       (amphoteric; oxidative hair dyes containing
       paraphenylenediamine derivs. direct dyes)
IT  Surfactants
       (anionic; oxidative hair dyes containing
       paraphenylenediamine derivs. direct dyes)
IT  Polyelectrolytes
    Surfactants
       (cationic; oxidative hair dyes containing
       paraphenylenediamine derivs. direct dyes)
IT  Dyes
       (direct; oxidative hair dyes containing
       paraphenylenediamine derivs. direct dyes)
IT  Hair preparations
       (dyes, oxidative; oxidative hair dyes
       containing paraphenylenediamine derivs. direct dyes)
IT  Alcohols, biological studies
    RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
    (Uses)
       (fatty; oxidative hair dyes containing
       paraphenylenediamine derivs. direct dyes)
IT  Dyes
       (natural; oxidative hair dyes containing
       paraphenylenediamine derivs. direct dyes)
IT  Surfactants
       (nonionic; oxidative hair dyes containing
       paraphenylenediamine derivs. direct dyes)
IT  Salts, biological studies
    RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
    (Uses)
       (of peroxy acids; oxidative hair dyes containing
       paraphenylenediamine derivs. direct dyes)
IT  Solvents
       (organic; oxidative hair dyes containing
       paraphenylenediamine derivs. direct dyes)
IT  Antioxidants
    Azo dyes
    Opacifiers
    Oxidizing agents
    Preservatives
    Thickening agents
       (oxidative hair dyes containing paraphenylenediamine
       derivs. direct dyes)
IT  Acids, biological studies
    Alkali metal hydroxides
    Ceramides
    Cyclosiloxanes
    Enzymes, biological studies
    Paraffin oils
    Peroxysulfates
    Polysiloxanes, biological studies
    Vitamins
    RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
    (Uses)
       (oxidative hair dyes containing paraphenylenediamine
       derivs. direct dyes)
IT  Fats and Glyceridic oils, biological studies
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RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(vegetable; oxidative **hair dyes** containing
paraphenylenediamine derivs. direct **dyes**)

IT 72-48-0, Alizarine 81-48-1, solvent violet 13 81-54-9, Purpurin
82-33-7 83-72-7, Lawsone 85-23-4, Spinulosin 89-25-8 90-15-3,
α Naphthol 91-56-5, Isatin 92-31-9, basic blue 17 95-54-5,
1,2-Benzenediamine, biological studies 95-55-6 95-70-5 95-88-5
106-50-3, 1,4-Benzenediamine, biological studies 108-26-9 108-45-2,
1,3-Benzenediamine, biological studies 108-45-2D, 1,3-Benzenediamine,
derivs. 108-46-3, 1,3-Benzenediol, biological studies 110-86-1D,
Pyridine, derivs., biological studies 116-85-8, disperse red 15
123-30-8 124-43-6 128-95-0, disperse violet 1 139-85-5 289-95-2D,
Pyrimidine, derivs. **458-37-7**, Curcumine 477-73-6, basic red 2
481-39-0, Juglone 533-31-3, Sesamol 533-31-3D, Sesamol, derivs.
548-62-9, basic violet 3 569-77-7, Purpurogallin 587-98-4, acid yellow
36 591-27-5, 3-Aminophenol 608-25-3 632-99-5, basic violet 14
633-03-4, basic green 1 633-96-5, acid orange 7 1151-98-0, Apigenidin
1220-94-6, disperse violet 4 1260-17-9, Carminic acid 1320-07-6, acid
orange 24 1694-09-3, acid violet 49 1934-21-0, acid yellow 23
2380-86-1, 1H-Indol-6-ol 2380-94-1, 1H-Indol-4-ol 2390-60-5, basic
blue 7 2475-45-8, disperse blue 1 2475-46-9, disperse blue 3
2580-56-5, basic blue 26 2650-18-2, acid blue 9 2706-28-7, acid yellow
9 2835-95-2, 2-Methyl-5-aminophenol 2872-48-2, disperse red 11
3179-90-6, disperse blue 7 3486-30-4, acid blue 7 3567-66-6, acid red
33 4368-56-3, acid blue 62 4430-18-6, acid violet 43 4664-16-8
4770-37-0 5735-53-5D, Benzomorpholine, derivs. 6441-93-6 7469-77-4
7556-37-8 7575-35-1 7722-84-1, Hydrogen peroxide, biological studies
9003-99-0, Peroxidase 9055-15-6, Oxidoreductase 12217-41-3, basic blue
22 12221-52-2, basic red 22 13556-29-1 18499-92-8, Kermesic acid
20721-50-0, disperse black 9 22036-97-1 22366-99-0 23946-41-0
26381-41-9, basic brown 16 36118-45-3D, Pyrazoline, derivs. 47569-30-2
52136-23-9 52136-25-1 55302-96-0 66422-95-5 68123-13-7, basic blue
99 68391-30-0, basic red 76 68391-31-1, basic yellow 57 68651-46-7,
Indigo (**dye**) 69151-32-2 70643-19-5 80498-15-3, Laccase
83763-47-7 93841-24-8 99788-75-7 143525-61-5 143525-64-8
154442-49-6 171662-44-5 171662-53-6 176742-32-8, basic brown 17
200346-04-9 200346-06-1 200346-16-3 204700-85-6 227617-43-8
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359841-47-7 359841-48-8 359841-49-9 359841-50-2 359841-51-3

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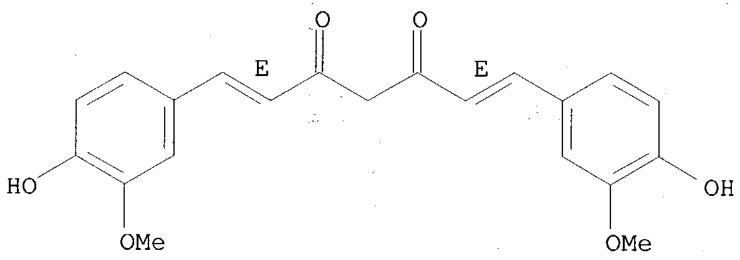
359841-62-6 359841-63-7 359841-64-8 359841-65-9 359841-66-0
359841-67-1 359841-68-2 359841-69-3 359850-56-9 359868-06-7
360069-60-9, C.I. Disperse Violet 15
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(oxidative **hair dyes** containing paraphenylenediamine derivs. direct **dyes**)

IT **458-37-7**, Curcumine
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(oxidative **hair dyes** containing paraphenylenediamine derivs. direct **dyes**)

RN 458-37-7 HCAPLUS
CN 1,6-Heptadiene-3,5-dione, 1,7-bis(4-hydroxy-3-methoxyphenyl)-, (1E,6E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 30 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:672841 HCAPLUS
DN 137:24103
TI Use of benzotriazole UV-absorbers for protection of hair
CS Ciba Specialty Chemicals Inc., UK
SO Research Disclosure (2001), 449(Sept.), P1460-P1464 (No. 449015)
CODEN: RSDSBB; ISSN: 0374-4353
PB Kenneth Mason Publications Ltd.
DT Journal; Patent
LA English

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	RD 449015		20010910		

PRAI RD 2001-449015 20010910

AB Ciba Specialty Chems. came up with uncharged and cationic benzotriazole UV absorbers exhibiting very good substantivity in respect to human hair and provide effective UV protection of the hair and of natural or artificial **hair color**. Cosmetic prepns. contain 0.05-20% by weight, based on the total weight of the **composition**, of one UV absorber mixts. or UV absorber antioxidant mixts. Various examples of C1-12 compds. are presented, illustrating the combinations of UV absorbers and antioxidants in cosmetic prepns. which are useful to protect **hair** and natural artificial **hair color**.

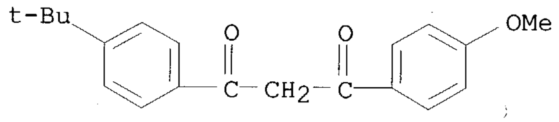
4 CC 62-3 (Essential Oils and **Cosmetics**)
IT 121-79-9 131-57-7 584-45-2D, polysiloxane derivative 4065-45-6

5466-77-3 6197-30-4 15087-24-8 24727-94-4 27503-81-7 36861-47-9
52793-97-2 56039-58-8 **70356-09-1** 92484-48-5 92761-26-7
103597-45-1 147897-12-9 154702-15-5 155633-54-8 156679-41-3
177190-98-6 180898-37-7 187393-00-6 340964-06-9 340964-13-8
340964-14-9 340964-15-0 340964-16-1 340964-18-3
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(benzotriazole UV-absorbers for protection of hair)

IT **70356-09-1**
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(benzotriazole UV-absorbers for protection of hair)

RN 70356-09-1 HCAPLUS

CN 1,3-Propanedione, 1-[4-(1,1-dimethylethyl)phenyl]-3-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



L24 ANSWER 31 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 2001:516272 HCAPLUS

DN 135:81802

TI Cosmetic **compositions** containing a cationic fructan and a conditioner

IN Dubief, Claude; Restle, Serge

PA L'oreal, Fr.

SO Fr. Demande, 49 pp.
CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2795953	A1	20010112	FR 1999-8961	19990709
PRAI	FR 1999-8961		19990709		

AB A cosmetic **composition** is disclosed which comprises at least one cationic fructan and at least one conditioner in a cosmetically acceptable vehicle. The product has good cosmetic properties, such as enhancing combability and softness. It is useful for application in cleansing or conditioning products intended for use on keratins in the skin or hair.

IC ICM A61K007-075
ICS A61K007-08

CC 62-3 (Essential Oils and **Cosmetics**)

IT **Hair** preparations
(**dyes**; cosmetic compns. containing a cationic fructan and a conditioner)

IT 2304-80-5 5966-29-0 9016-00-6, Polydimethylsiloxane 31900-57-9, Polydimethylsiloxane 34227-66-2 34227-83-3 34354-88-6 45633-15-6
65497-29-2, Jaguar C13S 81859-24-7, JR 400 110483-07-3 147492-65-7
149591-38-8 155665-02-4 156048-34-9 156048-35-0
156787-84-7 160065-31-6 190249-36-6 190381-46-5 245654-94-8
RL: BUU (Biological use, unclassified); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
(cosmetic compns. containing a cationic fructan and a conditioner)

IT **149591-38-8**
RL: BUU (Biological use, unclassified); MOA (Modifier or additive use);

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     BIOL (Biological study); USES (Uses)
        (cosmetic compns. containing a cationic fructan and a conditioner)
RN   149591-38-8  HCAPLUS
CN   Propanediamide, N,N'-dihexadecyl-N,N'-bis(2-hydroxyethyl)- (9CI)  (CA
     INDEX NAME)
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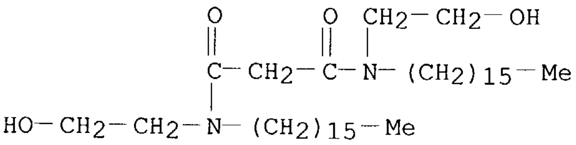

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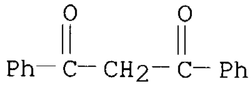
L24  ANSWER 32 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2001:516271  HCAPLUS
DN   135:81801
TI   Cosmetic compositions containing a cationic fructan and an agent
     protecting keratins in skin and hair
IN   Dubief, Claude; Restle, Serge
PA   L'oreal, Fr.
SO   Fr. Demande, 20 pp.
     CODEN: FRXXBL
DT   Patent
LA   French
FAN.CNT 1
     PATENT NO.        KIND  DATE          APPLICATION NO.   DATE
     ---------------   ----  --------      ---------------   --------
PI   FR 2795951         A1   20010112      FR 1999-8964      19990709
     FR 2795951         B1   20010907
PRAI FR 1999-8964            19990709
AB   A cosmetic composition is disclosed which comprises, in a vehicle
     that is cosmetically acceptable, at least one fructan carrying at least
     one amino group, and at least one keratin-protecting agent.  The
     composition is especially appropriate for use in products for cleansing or
     conditioning hair or skin.
IC   ICM  A61K007-06
CC   62-3 (Essential Oils and Cosmetics)
IT   Hair preparations
        (dyes; cosmetic compns. containing a cationic fructan and an
        agent protecting keratins in skin and hair)
IT   69-72-7D, Salicylic acid, derivs.   75-21-8, Ethylene oxide, biological
     studies   76-22-2D, Camphor, derivs.   95-14-7D, 1H-Benzotriazole, sulfone
     derivs.   108-46-3D, Resorcinol, dialkylaminotriazine derivs.   118-92-3,
     Anthranilic acid   118-92-3D, Anthranilic acid, salts   119-61-9D,
     Benzophenone, derivs. 120-46-7D, Dibenzoylmethane, derivs.
     131-57-7, 2-Hydroxy-4-methoxybenzophenone   150-13-0, Paba   271-89-6D,
     Benzofuran, derivs.   621-82-9D, Cinnamic acid, esters   1973-05-3D,
     derivs.   3144-16-9D, Camphorsulfonic acid, derivs.   4065-45-6, UVINUL
     MS40   5466-77-3, 2-Ethylhexyl 4-methoxycinnamate   6197-30-4, Octocrylene
     6969-49-9   9004-82-4, Sodium lauryl ether sulfate   9005-80-5, Inulin
     9037-90-5D, Fructan, derivs.   12654-97-6D, Triazine, derivs.
     27538-35-8, Urocanic acid ethyl ester   36332-93-1, methyl-18 eicosanoic
     acid 70356-09-1, 4-tert-Butyl 4'-methoxydibenzoylmethane
     155633-54-8
     RL: BUU (Biological use, unclassified); PEP (Physical, engineering or
     chemical process); BIOL (Biological study); PROC (Process); USES (Uses)
        (cosmetic compns. containing a cationic fructan and an agent protecting
```

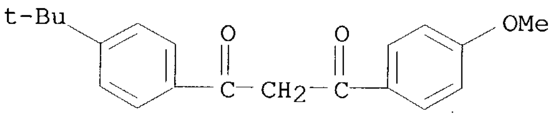
keratins in skin and hair)

IT **120-46-7D**, Dibenzoylmethane, derivs. **70356-09-1**, 4-tert-Butyl 4'-methoxydibenzoylmethane
RL: BUU (Biological use, unclassified); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses)
(cosmetic compns. containing a cationic fructan and an agent protecting keratins in skin and hair)

RN 120-46-7 HCAPLUS
CN 1,3-Propanedione, 1,3-diphenyl- (6CI, 8CI, 9CI) (CA INDEX NAME)


$Ph-C(=O)-CH_2-C(=O)-Ph$

RN 70356-09-1 HCAPLUS
CN 1,3-Propanedione, 1-[4-(1,1-dimethylethyl)phenyl]-3-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



L24 ANSWER 33 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:297452 HCAPLUS
DN 134:315864
TI **Composition** for oxidative **dyeing** of **keratinous** fibers comprising two different oxidation base and substituted amino-alkylphenol derivative couplers
IN Pastore, Florent; Lagrange, Alain
PA L'Oreal, Fr.
SO Eur. Pat. Appl., 14 pp.
CODEN: EPXXDW
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1093793	A2	20010425	EP 2000-402783	20001009
	EP 1093793	A3	20010620		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	FR 2799962	A1	20010427	FR 1999-13149	19991021
	FR 2799962	B1	20020726		
	JP 2001151650	A2	20010605	JP 2000-323395	20001023
PRAI	FR 1999-13149	A	19991021		

OS MARPAT 134:315864
AB Oxidative **hair dye** compns. comprise para-phenylenediamine derivs., and a coupling agent chosen form 2-substituted 5-amino-alkylphenol derivs. A **hair dye composition** contained para-phenylenediamine 5x10-3 mole, 4-amino-3-methylphenol 5x10-3 mole N-(2-hydroxy-4-methylphenyl)acetamide 3x10-3 mole, excipients and water q.s. 100 g. At the time of use equal amount of the **composition** is mixed with 20 volume hydrogen peroxide and

applied on the hair for 30 min., the hair is then rinsed with water, washed with shampoo, rinsed and dried to obtain a blue gray color.

IC ICM A61K007-13

CC 62-3 (Essential Oils and **Cosmetics**)

ST oxidative **hair dye** aminoalkylphenol deriv coupler

IT Bromates
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(alkali metal salts; **composition** for oxidative **dyeing** of **keratinous** fibers comprising two different oxidation base and substituted amino-alkylphenol derivative couplers)

IT Phenols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(alkyl, amino derivs.; **composition** for oxidative **dyeing** of **keratinous** fibers comprising two different oxidation base and substituted amino-alkylphenol derivative couplers)

IT Coupling agents
(**composition** for oxidative **dyeing** of **keratinous** fibers comprising two different oxidation base and substituted amino-alkylphenol derivative couplers)

IT Enzymes, biological studies
Peroxy acids
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**composition** for oxidative **dyeing** of **keratinous** fibers comprising two different oxidation base and substituted amino-alkylphenol derivative couplers)

IT **Hair** preparations
(**dyes**, oxidative; **composition** for oxidative **dyeing** of **keratinous** fibers comprising two different oxidation base and substituted amino-alkylphenol derivative couplers)

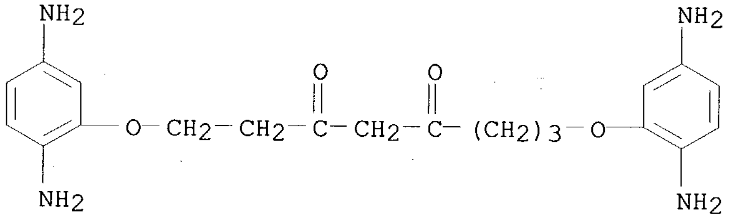
IT Salts, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(of peroxy acids; **composition** for oxidative **dyeing** of **keratinous** fibers comprising two different oxidation base and substituted amino-alkylphenol derivative couplers)

IT 92-65-9 93-05-0, N,N-Diethyl-p-phenylenediamine 95-55-6, 2 Aminophenol 95-70-5 99-98-9, N,N-Dimethyl-p-phenylenediamine 101-54-2 106-50-3, 1,4-Benzenediamine, biological studies 110-86-1D, Pyridine, derivs., biological studies 123-30-8, p-Aminophenol 124-43-6 148-71-0, 4-Amino N,N-diethyl-3-methyl aniline 288-13-1D, Pyrazole, derivs. 289-95-2D, Pyrimidine, derivs. 399-95-1, 4-Amino-3-fluorophenol 399-96-2, 4-Amino-2-fluorophenol 537-65-5 615-66-7, 2-Chloro-p-phenylenediamine 1630-11-1, 2,6-Diethyl-p-phenylenediamine 2359-52-6 2359-53-7 2835-96-3, 4-Amino-2-methylphenol 2835-98-5, 2 Amino-5-methylphenol 2835-99-6, 4-Amino-3-methylphenol 5306-96-7, 2,3-Dimethyl-p-phenylenediamine 5862-80-6 6393-01-7, 2,5-Dimethyl-p-phenylenediamine 7218-02-2, 2,6-Dimethyl-p-phenylenediamine 7575-35-1 7722-84-1, Hydrogen peroxide, biological studies 13429-10-2 14791-78-7 17672-22-9, 2 Amino-6-methylphenol 29053-94-9 29785-47-5, 4-Amino-2-methoxymethylphenol 63467-38-9 66566-48-1 73793-80-3 79352-72-0, 4-Amino-2-aminomethylphenol 80467-77-2 93841-24-8 97902-52-8 102014-97-1 103854-30-4 104333-09-7, 4-Amino-2-hydroxymethylphenol 105293-89-8, N,N-Dipropyl-p-phenylenediamine 105295-42-9 105296-19-3 105607-68-9 105701-22-2 110952-46-0 119838-05-0 126335-43-1 128729-31-7 129697-50-3, 5 Acetamido 2-amino-phenol 130582-53-5 135855-34-4

135855-35-5 153505-94-3 153505-95-4 153506-01-5 153506-04-8
153506-05-9 153506-10-6 168202-61-7, 4-Amino-3-hydroxymethylphenol
207568-58-9 **333739-36-9** 335157-55-6 335157-56-7
335157-57-8 335157-58-9 335157-59-0 335157-60-3 335157-61-4
335157-62-5
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**composition** for oxidative **dyeing** of **keratinous** fibers comprising two different oxidation base and substituted amino-alkylphenol derivative couplers)

IT **333739-36-9**
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**composition** for oxidative **dyeing** of **keratinous** fibers comprising two different oxidation base and substituted amino-alkylphenol derivative couplers)

RN 333739-36-9 HCAPLUS
CN 3,5-Octanedione, 1,8-bis(2,5-diaminophenoxy)- (9CI) (CA INDEX NAME)



L24 ANSWER 34 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:297450 HCAPLUS
DN 134:315863
TI **Composition** for oxidative **dyeing** of **keratinous** fibers comprising amino-alkylphenol, para-phenylenediamine, and meta-aminophenol derivatives
IN Pastore, Florent; Lagrange, Alain
PA L'Oreal, Fr.
SO Eur. Pat. Appl., 16 pp.
CODEN: EPXXDW
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1093792	A1	20010425	EP 2000-402782	20001009
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	FR 2799958	A1	20010427	FR 1999-13144	19991021
	FR 2799958	B1	20011221		
	US 6530960	B1	20030311	US 2000-692589	20001020
	JP 2001151649	A2	20010605	JP 2000-323394	20001023
PRAI	FR 1999-13144	A	19991021		

OS MARPAT 134:315863
AB Oxidative **hair dye** compns. comprise amino-alkylphenol, para-phenylenediamine, and meta-aminophenol derivs. A **hair dye composition** contained para-phenylenediamine 3x10-3 mole, N-(2-hydroxy-4-methylphenyl)acetamide 1.5x10-3 mole, 2,4-diamino-1(β-

hydroxyethyloxy)benzene dihydrochloride 1.5x10-3, excipients and water q.s. 100 g. At the time of use equal amount of the **composition** is mixed with 20 volume hydrogen peroxide and applied on the hair for 30 min., the hair is then rinsed with water, washed with shampoo, rinsed and dried to obtain a dark blue color.

IC ICM A61K007-13

CC 62-3 (Essential Oils and **Cosmetics**)

ST oxidative **hair dye** aminoalkylphenol parapenylenediamine deriv

IT Bromates
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(alkali metal salts; **composition** for oxidative **dyeing** of **keratinous** fibers comprising amino-alkylphenol, para-phenylenediamine, and meta-aminophenol derivs.)

IT Phenols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(alkyl, amino derivs.; **composition** for oxidative **dyeing** of **keratinous** fibers comprising amino-alkylphenol, para-phenylenediamine, and meta-aminophenol derivs.)

IT Coupling agents
(**composition** for oxidative **dyeing** of **keratinous** fibers comprising amino-alkylphenol, para-phenylenediamine, and meta-aminophenol derivs.)

IT Enzymes, biological studies
Peroxy acids
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**composition** for oxidative **dyeing** of **keratinous** fibers comprising amino-alkylphenol, para-phenylenediamine, and meta-aminophenol derivs.)

IT **Hair** preparations
(**dyes**, oxidative; **composition** for oxidative **dyeing** of **keratinous** fibers comprising amino-alkylphenol, para-phenylenediamine, and meta-aminophenol derivs.)

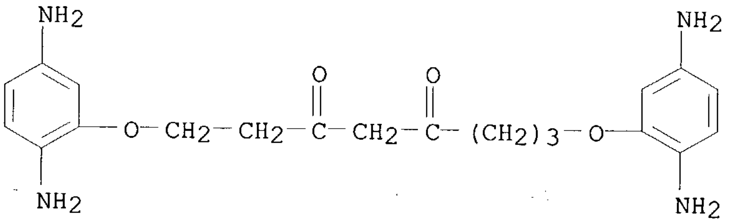
IT Salts, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(of peroxy acids; **composition** for oxidative **dyeing** of **keratinous** fibers comprising amino-alkylphenol, para-phenylenediamine, and meta-aminophenol derivs.)

IT 92-65-9 93-05-0, N,N-Diethyl p-phenylenediamine 95-55-6, 2 Aminophenol 95-55-6D, derivs. 95-70-5 95-88-5 99-98-9, N,N-Dimethyl-p-phenylenediamine 101-54-2 106-50-3, p-PHenylenediamine, biological studies 106-50-3D, 1,4-Benzenediamine, derivs. 108-45-2, 1,3-Diaminobenzene, biological studies 108-46-3, 1,3-Dihydroxybenzene, biological studies 110-86-1D, Pyridine, derivs., biological studies 120-72-9D, Indole, derivs. 123-30-8, p-Aminophenol 123-30-8D, derivs. 124-43-6 148-71-0, 4-Amino N,N-diethyl-3-methyl aniline 288-13-1D, Pyrazole, derivs. 289-95-2D, Pyrimidine, derivs. 399-95-1, 4-Amino-3-fluorophenol 399-96-2, 4-Amino-2-fluorophenol 496-15-1D, Indoline, derivs. 537-65-5 591-27-5, 3 Aminophenol 608-25-3 615-66-7, 2-Chloro p-phenylenediamine 1630-11-1, 2,6-Diethyl p-phenylenediamine 2359-53-7 2835-95-2, 2-Methyl-5-aminophenol 2835-96-3, 4-Amino-2-methylphenol 2835-98-5, 2 Amino-5-methylphenol 2835-99-6, 4-Amino-3-methylphenol 5306-96-7, 2,3-Dimethyl p-phenylenediamine 5862-80-6 6393-01-7, 2,5 Dimethyl p-phenylene diamine 7575-35-1 7722-84-1, Hydrogen peroxide, biological studies

13429-10-2 14791-78-7 17625-88-6 17625-92-2 17672-22-9, 2
Amino-6-methylphenol 29053-94-9 29785-47-5, 4-Amino-2-
methoxymethylphenol 55302-96-0 63467-38-9 66566-48-1 70643-19-5
73793-80-3 79352-72-0, 4-Amino-2-aminomethylphenol 80467-77-2
83763-47-7 93841-24-8 97902-52-8 102014-97-1 103854-30-4
104333-09-7, 4-Amino-2-hydroxymethylphenol 105293-89-8, N,N-Dipropyl
p-phenylenediamine 105295-42-9 105296-19-3 105701-22-2 110952-46-0
119838-05-0 126335-43-1 128729-31-7 129697-50-3, 5 Acetamido
2-amino-phenol 130582-53-5 135855-34-4 135855-35-5 153505-94-3
153505-95-4 153506-01-5 153506-04-8 153506-05-9 153506-10-6
168202-61-7, 4-Amino-3-hydroxymethylphenol 207568-58-9
333739-36-9 335157-55-6 335157-56-7 335157-57-8
335157-58-9 335157-59-0 335157-60-3 335157-61-4
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(**composition** for oxidative **dyeing** of **keratinous**
fibers comprising amino-alkylphenol, para-phenylenediamine, and
meta-aminophenol derivs.)

IT **333739-36-9**
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(**composition** for oxidative **dyeing** of **keratinous**
fibers comprising amino-alkylphenol, para-phenylenediamine, and
meta-aminophenol derivs.)

RN 333739-36-9 HCAPLUS
CN 3,5-Octanedione, 1,8-bis(2,5-diaminophenoxy)- (9CI) (CA INDEX NAME)



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 35 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:297449 HCAPLUS
DN 134:315862
TI **Composition** for oxidative **dyeing** of **keratinous**
fibers comprising double oxidation base and aminoalkylphenol couplers
IN Pastore, Florent; Lagrande, Alain
PA L'Oreal, Fr.
SO Eur. Pat. Appl., 12 pp.
CODEN: EPXXDW
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1093791	A1	20010425	EP 2000-402781	20001009
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	FR 2799960	A1	20010427	FR 1999-13147	19991021

FR 2799960 B1 20021220

JP 2001151648 A2 20010605 JP 2000-323391 20001023

PRAI FR 1999-13147 A 19991021

OS MARPAT 134:315862

AB Oxidative **hair dye** compns. comprise double oxidation base and a coupling agent chosen form 2-substituted 5-amino-alkylphenol derivs. A **hair dye composition** contained N,N/-bis-(β-hydroxyethyl)n,N;-bis-(4'-aminophenyl)-1,3-diamino-2-propanol tetra-hydrochloride 3x10-3 mole, N-(2-hydroxy-4-methylphenyl)acetamide 3x10-3 mole, excipients and water q.s. 100 g. At the time of use equal amount of the **composition** is mixed with 20 volume hydrogen peroxide and applied on the hair for 30 min., the hair is then rinsed with water, washed with shampoo, rinsed and dried to obtain a green-blue color.

IC ICM A61K007-13

CC 62-3 (Essential Oils and **Cosmetics**)

ST oxidative **hair dye** aminoalkylphenol coupler

IT Bromates
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(alkali metal salts; **composition** for oxidative **dyeing** of **keratinous** fibers comprising double oxidation base and aminoalkylphenol couplers)

IT Phenols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(alkyl, amino, derivs.; **composition** for oxidative **dyeing** of **keratinous** fibers comprising double oxidation base and aminoalkylphenol couplers)

IT Coupling agents
(**composition** for oxidative **dyeing** of **keratinous** fibers comprising double oxidation base and aminoalkylphenol couplers)

IT Enzymes, biological studies
Peroxy acids
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**composition** for oxidative **dyeing** of **keratinous** fibers comprising double oxidation base and aminoalkylphenol couplers)

IT **Hair** preparations
(**dyes**, oxidative; **composition** for oxidative **dyeing** of **keratinous** fibers comprising double oxidation base and aminoalkylphenol couplers)

IT Salts, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(of peroxy acids; **composition** for oxidative **dyeing** of **keratinous** fibers comprising double oxidation base and aminoalkylphenol couplers)

IT 124-43-6 7722-84-1, Hydrogen peroxide, biological studies 13429-10-2
29053-94-9 63467-38-9 63969-43-7 102014-97-1 103854-30-4
105295-42-9 105296-19-3 105701-22-2 119838-05-0 128729-28-2
128729-30-6 128729-31-7 130582-53-5 135855-34-4 135855-35-5
153505-94-3 153505-95-4 153506-01-5 153506-04-8 153506-05-9
153506-10-6 **333739-36-9** 335157-57-8 335157-58-9
335157-59-0 335157-60-3 335157-61-4 **335203-69-5**
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**composition** for oxidative **dyeing** of **keratinous** fibers comprising double oxidation base and aminoalkylphenol couplers)

```
IT     333739-36-9 335203-69-5
       RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
       (Uses)
          (composition for oxidative dyeing of keratinous
          fibers comprising double oxidation base and aminoalkylphenol couplers)
RN     333739-36-9  HCAPLUS
CN     3,5-Octanedione, 1,8-bis(2,5-diaminophenoxy)- (9CI)  (CA INDEX NAME)
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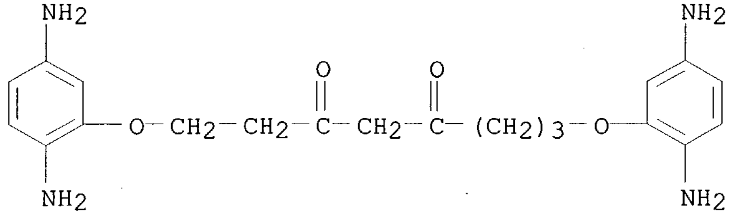

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RN     335203-69-5  HCAPLUS
CN     3,5-Octanedione, 1,8-bis(2,5-diaminophenoxy)-, tetrahydrochloride (9CI)
       (CA INDEX NAME)
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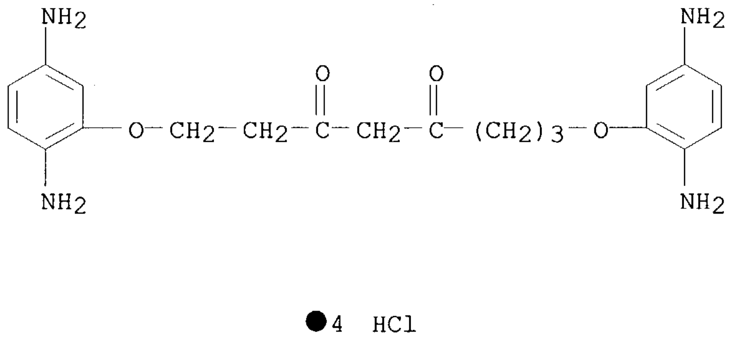

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RE.CNT  6     THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24   ANSWER 36 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN    2001:265224  HCAPLUS
DN    134:300624
TI    Cosmetic composition comprising at least a cationic surfactant,
      a liquid fatty alcohol and at least a ceramide type compound
IN    Yamada, Shinichi; Bone, Eric
PA    L'Oreal, Fr.
SO    PCT Int. Appl., 25 pp.
      CODEN: PIXXD2
DT    Patent
LA    French
FAN.CNT 1
      PATENT NO.       KIND  DATE          APPLICATION NO.  DATE
      ---------------  ----  --------      ---------------  --------
PI    WO 2001024767     A1   20010412      WO 2000-FR2714   20000929
          W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
              CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
              HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
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LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
JP 2001114629 A2 20010424 JP 1999-287412 19991007
EP 1135095 A1 20010926 EP 2000-966245 20000929
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO

PRAI JP 1999-287412 A 19991007
WO 2000-FR2714 W 20000929

OS MARPAT 134:300624

AB The invention concerns a cosmetic **composition** for treating keratinous materials, in particular human hair, comprising at least a cationic surfactant, at least a liquid fatty alc. and at least a ceramide-type compound and a treatment method using said **composition** An after shampoo rinse contained behenyltrimethylammonium chloride 2.4, isostearyl alc. 2, N-oleodihydrosphingosine 0.4, cetylstearyl alc. 0.5, amine-containing silicone 0.95, perfume, preservatives, and water q.s. 100 g.

IC ICM A61K007-06

CC 62-4 (Essential Oils and **Cosmetics**)

IT Onium compounds
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(4,5-dihydro-1-methyl-2-nortallow alkyl-1-(2-tallow amidoethyl) imidazolium, Me sulfates; cosmetic **composition** comprising at least cationic surfactant, liquid fatty alc. and at least ceramide type compound)

IT Onium compounds
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(4,5-dihydro-2-(hydrogenated nortallow alkyl)-1-[2-(hydrogenated tallow amido)ethyl]-1-methylimidazolium Me sulfates, Quaternium 83; cosmetic **composition** comprising at least cationic surfactant, liquid fatty alc. and at least ceramide type compound)

IT Fatty acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(C16-40; cosmetic **composition** comprising at least cationic surfactant, liquid fatty alc. and at least ceramide type compound)

IT Polyelectrolytes
(amphoteric; cosmetic **composition** comprising at least cationic surfactant, liquid fatty alc. and at least ceramide type compound)

IT Polyelectrolytes
(anionic; cosmetic **composition** comprising at least cationic surfactant, liquid fatty alc. and at least ceramide type compound)

IT Hair preparations
(bleaches; cosmetic **composition** comprising at least cationic surfactant, liquid fatty alc. and at least ceramide type compound)

IT Polyelectrolytes
Surfactants
(cationic; cosmetic **composition** comprising at least cationic surfactant, liquid fatty alc. and at least ceramide type compound)

IT Hair preparations
(conditioners; cosmetic **composition** comprising at least cationic surfactant, liquid fatty alc. and at least ceramide type compound)

IT Hair preparations
Perfumes
Preservatives

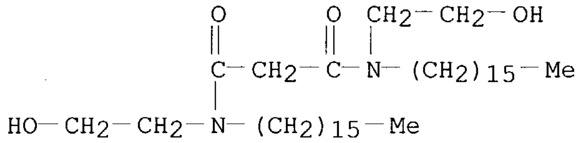
```
      Shampoos
      Solvents
      Sunscreens
      Thickening agents
         (cosmetic composition comprising at least cationic surfactant,
         liquid fatty alc. and at least ceramide type compound)
IT    Ceramides
      Protein hydrolyzates
      Proteins, general, biological studies
      Quaternary ammonium compounds, biological studies
      Vitamins
      RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
      (Uses)
         (cosmetic composition comprising at least cationic surfactant,
         liquid fatty alc. and at least ceramide type compound)
IT    Hair preparations
         (dyes; cosmetic composition comprising at least cationic
         surfactant, liquid fatty alc. and at least ceramide type compound)
IT    Glycols, biological studies
      RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
      (Uses)
         (ethers; cosmetic composition comprising at least cationic
         surfactant, liquid fatty alc. and at least ceramide type compound)
IT    Alcohols, biological studies
      RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
      (Uses)
         (fatty; cosmetic composition comprising at least cationic
         surfactant, liquid fatty alc. and at least ceramide type compound)
IT    Ethers, biological studies
      RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
      (Uses)
         (glycol; cosmetic composition comprising at least cationic
         surfactant, liquid fatty alc. and at least ceramide type compound)
IT    Carboxylic acids, biological studies
      RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
      (Uses)
         (hydroxy; cosmetic composition comprising at least cationic
         surfactant, liquid fatty alc. and at least ceramide type compound)
IT    Hair preparations
         (permanent wave; cosmetic composition comprising at least cationic
         surfactant, liquid fatty alc. and at least ceramide type compound)
IT    Alcohols, biological studies
      RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
      (Uses)
         (polyhydric; cosmetic composition comprising at least cationic
         surfactant, liquid fatty alc. and at least ceramide type compound)
IT    64-17-5, Alcohol, biological studies   81-13-0, Panthenol   81-13-0D,
      Panthenol, esters with fatty acids   112-53-8, Lauryl alcohol   112-72-1,
      Myristic alcohol   143-28-2, Oleyl alcohol   2304-80-5   3913-02-8, Butyl
      2 octanol   5333-42-6, Octyl 2-dodecanol   5966-29-0   17301-53-0,
      Behenyltrimethylammonium chloride   27458-93-1, Isostearyl alcohol
      34227-66-2   34227-83-3   36311-34-9, Isocetyl alcohol   36332-93-1,
      Methyl 18 eicosanoic acid   87246-72-8   89160-66-7, Isoarachidyl alcohol
      93059-20-2, Isomyristyl alcohol   110483-07-3   147492-65-7
      149591-38-8   168634-28-4   190249-36-6   190274-06-7
      190381-46-5
      RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
      (Uses)
         (cosmetic composition comprising at least cationic surfactant,
```

liquid fatty alc. and at least ceramide type compound)

IT **149591-38-8**
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(cosmetic **composition** comprising at least cationic surfactant, liquid fatty alc. and at least ceramide type compound)

RN 149591-38-8 HCAPLUS

CN Propanediamide, N,N'-dihexadecyl-N,N'-bis(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 37 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 2001:260171 HCAPLUS

DN 134:285470

TI **Hair dyes** containing 2,6-dihydroxypyridine derivatives as coupling agents

IN Rose, David

PA Henkel Kgaa, Germany

SO Ger. Offen., 16 pp.
CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10030910	A1	20010412	DE 2000-10030910	20000624
PRAI	DE 2000-10030910		20000624		

OS MARPAT 134:285470

AB The invention concerns **hair dyeing** compns. that contain 2,6-dihydroxypyridine derivs. as coupling agent(s) and. bis-aminophenyl alkylene diamine derivs. as developer(s). The compns. further contain indol or indoline derivs. and a direct dye. Thus a two **compn. hair dye** cream was prepd. Component A contained in g: Hydrenol D 8.50; Lorol 2.00; Emulgin B2 0.75; Texapon NSO 20.00; Dehyton K 12.50;water to 30.00. Component was composed of: sodium sulfite 1.00 g; ammonium sulfate 1.00 g; 2,6-dihydroxy-3,4-dimethylpyridine 7.5 mmol; 1-naphthol 7.5 mmol; N,N'-bis-(β-hydroxyethyl)-N,N'-bis-(4'-aminophenyl)-1,3-diamino-propanol hydrochloride 7.5 mmol; 2,4,5,6-tetraaminopyrimidine sulfate 7.5 mmol; ammonia 25% soln. to set pH10.0; water to 10.00 g. The compns. are non-toxic.

IC ICM A61K007-13

CC 62-3 (Essential Oils and **Cosmetics**)

ST **hair dye** dihydroxypyridine coupling agent bisaminophenyl diamine deriv developer

IT **Dyes**
(direct; **hair dyes** containing dihydroxypyridine derivs. as coupling agents)

IT **Hair** preparations
(**dyes**; **hair dyes** containing dihydroxypyridine

derivs. as coupling agents)

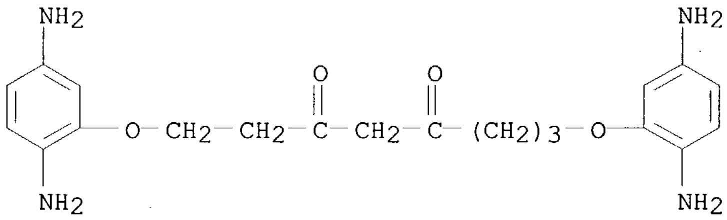
IT Biocompatibility
(**hair dyes** containing dihydroxypyridine derivs. as coupling agents)

IT 90-15-3, 1-Naphthol 120-72-9, Indole, biological studies 496-15-1, Indoline 626-06-2, 2(1H)-Pyridinone, 6-hydroxy- 2835-99-6 39267-74-8 49647-58-7 63969-43-7 63969-46-0 66422-95-5, 2,4-Diaminophenoxyethanol dihydrochloride 74918-21-1, 1,3-Bis(2,4-diaminophenoxy)propane tetrahydrochloride 84540-47-6, 2,6-Dihydroxy-3,4-dimethylpyridine 128729-30-6 128729-31-7 130582-53-5 135855-34-4 135855-35-5 211872-02-5 **333739-36-9** 333739-39-2 333739-41-6
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**hair dyes** containing dihydroxypyridine derivs. as coupling agents)

IT **333739-36-9**
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**hair dyes** containing dihydroxypyridine derivs. as coupling agents)

RN 333739-36-9 HCAPLUS

CN 3,5-Octanedione, 1,8-bis(2,5-diaminophenoxy)- (9CI) (CA INDEX NAME)



L24 ANSWER 38 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 2001:10581 HCAPLUS

DN 134:76115

TI Hair and skin cosmetic **compositions** containing an amphoteric polymer and a conditioning agent

IN Dubief, Claude; Restle, Serge

PA L'oreal, Fr.

SO Eur. Pat. Appl., 13 pp.
CODEN: EPXXDW

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1064915	A1	20010103	EP 2000-401424	20000523
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	FR 2795313	A1	20001229	FR 1999-8169	19990625
	FR 2795313	B1	20011123		
	JP 2001031533	A2	20010206	JP 2000-191924	20000626
PRAI	FR 1999-8169	A	19990625		

AB Hair and skin cosmetic compns. containing an amphoteric polymer chosen from acrylic and acrylamide polymer and a conditioning agent chosen from synthetic and vegetable oils are disclosed. A shampoo contained sodium lauryl ether sulfate 15, Dehyton AB30 5, isohexadecane 1.5, acrylic acid-methacrylamidopropyl tri-Me ammonium chloride-stearyl methacrylate copolymer 1, sodium chloride 4, preservative and q.s. 100 g.

IC ICM A61K007-06

CC 62-3 (Essential Oils and **Cosmetics**)

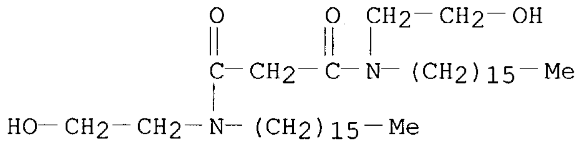
IT **Hair** preparations
(**dyes; hair** and skin cosmetic compns. containing amphoteric polymer and conditioning agent)

IT 81-13-0, Panthenol 106-24-1, Geraniol 2304-80-5 5966-29-0 9004-82-4, Sodium laurylether sulfate 17301-53-0, Behenyl trimethyl ammonium chloride 34227-66-2 34227-83-3 34354-88-6 36332-93-1, Methyl 18 eicosanoic acid 77752-14-8, Purcellin oil 110483-07-3 147492-65-7 **149591-38-8** 156511-15-8, TEGOBETAINF50 160065-31-6 190249-36-6 190381-46-5 213836-51-2 245654-94-8 314739-06-5
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(hair and skin cosmetic compns. containing amphoteric polymer and conditioning agent)

IT **149591-38-8**
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(hair and skin cosmetic compns. containing amphoteric polymer and conditioning agent)

RN 149591-38-8 HCAPLUS

CN Propanediamide, N,N'-dihexadecyl-N,N'-bis(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



L24 ANSWER 39 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 2000:716078 HCAPLUS

DN 133:286195

TI **Compositions** containing diesters or polyesters of naphthalene dicarboxylic acid and methods for imparting **hair** gloss and to provide **hair color** and **hair dye** stabilization

IN Bonda, Craig A.; Marinelli, Peter J.; Hessefort, Yin Z.; Trivedi, Jagdish; Wentworth, Gary

PA The C. P. Hall Company, USA

SO U.S., 15 pp., Cont.-in-part of U.S. 5,993,789.
CODEN: USXXAM

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6129909	A	20001010	US 1999-391766	19990908
	US 5993789	A	19991130	US 1999-276051	19990325
	US 6126925	A	20001003	US 2000-490231	20000124
	US 6180091	B1	20010130	US 2000-490229	20000124

```
     US 6284916         B1   20010904        US 2000-490230   20000124
     WO 2001052810      A1   20010726        WO 2001-US2089   20010123
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
             HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
             SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,
             ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     WO 2001052807      A2   20010726        WO 2001-US2090   20010123
     WO 2001052807      A3   20020110
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
             HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
             SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,
             ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     BR 2001007694      A    20021015        BR 2001-7694     20010123
     TR 200201851       T2   20021021        TR 2002-20020185120010123
     EP 1250122         A1   20021023        EP 2001-904986   20010123
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     JP 2003523962      T2   20030812        JP 2001-552858   20010123
PRAI US 1999-276051     A2   19990325
     US 1999-391766     A1   19990908
     US 2000-490229     A    20000124
     US 2000-490231     A    20000124
     WO 2001-US2089     W    20010123
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AB A hair-treating **composition** containing a diester or polyester of a naphthalene dicarboxylic acid for imparting gloss and/or **hair color** stabilization is disclosed. These diesters and polyesters are quite effective in stabilizing the dibenzoylmethane derivative UV-A filter compds. making them more effective, and effective for longer periods of time. A **composition** containing 1% Parsol 1789 and 4.00% polyester of 2,6-naphthalene dicarboxylic acid sorbitan oleate was prepared The photostability of the Parsol 1789 was determined by spreading measured amts. of the emulsions on 5 cm square slides of Vitro-skin, then irradiating the slides with a solar simulator. Absorbance measurements in the UV-A range were taken by a before and after irradiation After irradiation with 5 MED (minimal erythermal dose), the loss of UV-A absorbance by the Parsol 1789 was considerably lower in the formulations compared to the formulation containing the 1789 alone.

IC ICM A61K007-06
ICS A61K007-42; A61K007-44; A61K007-00

NCL 424070100

CC 62-3 (Essential Oils and **Cosmetics**)
Section cross-reference(s): 25

ST naphthalene dicarboxylate polyester **hair dye** stabilizer

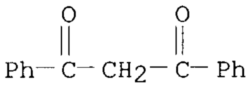
IT Stabilizing agents
(compns. containing diesters or polyesters of naphthalene dicarboxylic acid and methods for imparting **hair** gloss and to provide **hair color** and **hair dye** stabilization)

IT **Hair** preparations
(**dyes**; compns. containing diesters or polyesters of naphthalene dicarboxylic acid and methods for imparting **hair** gloss and to provide **hair color** and **hair dye** stabilization)

IT **120-46-7D**, Dibenzoylmethane, derivs. 1141-38-4D, 2,6-Naphthalene dicarboxylic acid, diesters and polyesters **63250-25-9**, 4-Isopropyl dibenzoylmethane **70356-09-1**, Parsol 1789 300373-61-9
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(compns. containing diesters or polyesters of naphthalene dicarboxylic acid and methods for imparting **hair** gloss and to provide **hair color** and **hair dye** stabilization)

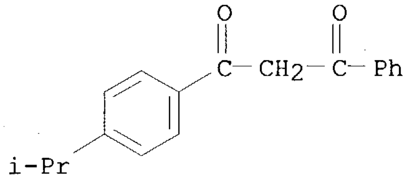
IT **120-46-7D**, Dibenzoylmethane, derivs. **63250-25-9**, 4-Isopropyl dibenzoylmethane **70356-09-1**, Parsol 1789
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(compns. containing diesters or polyesters of naphthalene dicarboxylic acid and methods for imparting **hair** gloss and to provide **hair color** and **hair dye** stabilization)

RN 120-46-7 HCAPLUS
CN 1,3-Propanedione, 1,3-diphenyl- (6CI, 8CI, 9CI) (CA INDEX NAME)

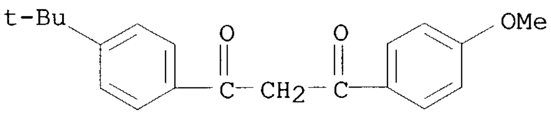


$Ph-\overset{\overset{O}{\|}}{C}-CH_2-\overset{\overset{O}{\|}}{C}-Ph$

RN 63250-25-9 HCAPLUS
CN 1,3-Propanedione, 1-[4-(1-methylethyl)phenyl]-3-phenyl- (9CI) (CA INDEX NAME)



RN 70356-09-1 HCAPLUS
CN 1,3-Propanedione, 1-[4-(1,1-dimethylethyl)phenyl]-3-(4-methoxyphenyl)- (9CI) (CA INDEX NAME)



RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L24  ANSWER 40 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   2000:573509  HCAPLUS
DN   133:182706
TI   Photoprotective compositions for skin or hair containing a
     bisresorcinyl triazine derivative and a compound with benzoazolyl or
     benzodiazolyl groups
IN   Candau, Didier
PA   L'Oreal, Fr.
SO   Eur. Pat. Appl., 38 pp.
     CODEN: EPXXDW
DT   Patent
LA   French
FAN.CNT 1
     PATENT NO.        KIND  DATE          APPLICATION NO.   DATE
     ---------------   ----  --------      ---------------   --------
PI   EP 1027881         A1   20000816      EP 2000-400244    20000131
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
     FR 2789582         A1   20000818      FR 1999-1732      19990212
     FR 2789582         B1   20010504
     JP 2000273030      A2   20001003      JP 2000-77240     20000214
     US 6248311         B1   20010619      US 2000-503944    20000214
PRAI FR 1999-1732       A    19990212
OS   MARPAT 133:182706
AB   Photoprotective compns. fore skin or hair containing a bisresorcinyl triazine
     derivative and a compound with benzoazolyl or benzodiazolyl groups (Markush
     structure given).  A photoprotective emulsion contained Sinnowax Ao 7,
     Cerasynt SD 2, cetyl alc. 1.5, polydimethylsiloxane 1, Witconol TN 15,
     2,4-bis {[4-(2-ethylhexyloxy)-2-hydroxy]-phenyl}-6-(4-methoxyphenyl)-1,3,5-
     triazine 2, glycerin 15, 1,4-bis-benzimidazoyl-phenylene-3,3',5,5'-
     tetrasulfonic acid 2, triethanolamine q.s. pH = 7, preservatives q.s., and
     water q.s. 100g.
IC   ICM  A61K007-42
CC   62-3 (Essential Oils and Cosmetics)
IT   Antioxidants
       Dyes
     Opacifiers
     Perfumes
     Photoprotectants
     Pigments, nonbiological
     Preservatives
     Propellants (sprays and foams)
     Sequestering agents
     Shampoos
     Stabilizing agents
     Sunscreens
     Surfactants
     Thickening agents
        (photoprotective compns. for skin or hair containing
        bisresorcinyl triazine derivative and compound with benzoazolyl or
        benzodiazolyl groups)
IT   51-17-2D, Benzimidazole, derivs.   69-72-7D, Salicylic acid, derivs.
     76-22-2D, Camphor, derivs.   79-10-7D, Acrylic acid, di-Ph derivs.
     119-61-9D, Benzophenone, derivs. 120-46-7D, Dibenzoylmethane,
     derivs.   150-13-0D, di-Ph derivs.   290-87-9D, 1,3,5-Triazine, derivs.
     621-82-9D, Cinnamic acid, derivs.   1314-13-2, Zinc oxide, biological
     studies   1314-23-4, Zirconium oxide, biological studies   1332-37-2, Iron
     oxide, biological studies   11129-18-3, Cerium oxide   13463-67-7,
         Titaniumoxide, biological studies   41887-96-1   52736-63-7   52736-69-3
         119014-10-7   170864-82-1   170864-83-2   170864-84-3   187393-00-6
         187393-02-8   191419-26-8   191419-27-9   191419-28-0   191419-30-4
         254755-41-4   288247-47-2   288247-48-3   288247-49-4   288247-50-7
         288247-51-8   288247-55-2   288247-56-3   288247-57-4   288247-58-5
         288247-59-6   288247-60-9   288247-61-0   288247-62-1   288247-63-2
         288247-64-3   288247-65-4   288247-66-5   288247-67-6   288247-68-7
         288247-69-8   288247-70-1   288247-71-2   288247-72-3   288247-73-4
         288247-74-5   288247-75-6   288258-22-0   288258-23-1
         RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
         (Uses)
            (photoprotective compns. for skin or hair containing bisresorcinyl triazine
            derivative and compound with benzoazolyl or benzodiazolyl groups)
IT       120-46-7D, Dibenzoylmethane, derivs.
         RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
         (Uses)
            (photoprotective compns. for skin or hair containing bisresorcinyl triazine
            derivative and compound with benzoazolyl or benzodiazolyl groups)
RN       120-46-7  HCAPLUS
CN       1,3-Propanedione, 1,3-diphenyl- (6CI, 8CI, 9CI)  (CA INDEX NAME)
```

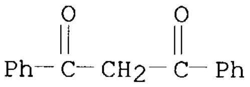

$Ph-C(=O)-CH_2-C(=O)-Ph$

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RE.CNT  6      THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
               ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24    ANSWER 41 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN     2000:573506  HCAPLUS
DN     133:168183
TI     Cosmetic and/or dermatological composition in the form of an
       oil-in-water emulsion formed by lipid vesicles dispersed in an aqueous
       phase containing at least one active hydrophilic acid
IN     Ravaux, Danielle; Laugier, Jean-Pierre
PA     L'Oreal, Fr.
SO     Eur. Pat. Appl., 15 pp.
       CODEN: EPXXDW
DT     Patent
LA     French
FAN.CNT 1
       PATENT NO.         KIND  DATE          APPLICATION NO.   DATE
       ---------------    ----  --------      ---------------   --------
PI     EP 1027878          A1   20000816      EP 1999-403289    19991227
           R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
               IE, SI, LT, LV, FI, RO
       FR 2789329          A1   20000811      FR 1999-1387      19990205
       FR 2789329          B1   20010302
       KR 2000057824       A    20000925      KR 2000-4263      20000128
       BR 2000000613       A    20010502      BR 2000-613       20000202
       JP 2000229840       A2   20000822      JP 2000-26700     20000203
       US 6416768          B1   20020709      US 2000-499391    20000207
PRAI   FR 1999-1387        A    19990205
OS     MARPAT 133:168183
AB     The title compns. are disclosed.  A double-compartment bottle contained
       polyglyceryl-2-stearate 0.2, PEG-8 stearate 0.135, Amisoft HS-20 0.09,
       isocetyl stearate 0.7, squalane 1.3, and water 7.075 g.  The emulsion had
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    a viscosity of about 7 cP at 2° and pH = 7.3.  The top of the
    bottle contained 0.5 g of ascorbic acid.  By addition of the ascorbic acid to
    the emulsion the pH decreased to 3.3 and the viscosity increased to 850 cP
    at 25° forming a white cream.
IC  ICM  A61K007-00
    ICS  A61K007-48
CC  62-4 (Essential Oils and Cosmetics)
IT  Sulfonates
    RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
    (Uses)
       (alkanesulfonates; cosmetic and/or dermatol. composition in form
       of oil-in-water emulsion formed by lipid vesicles dispersed in aqueous
       phase containing at least one active hydrophilic acid)
IT  Cosmetics
       (antiaging; cosmetic and/or dermatol. composition in form of
       oil-in-water emulsion formed by lipid vesicles dispersed in aqueous phase
       containing at least one active hydrophilic acid)
IT  Essential oils
    RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
    (Uses)
       (bergamot; cosmetic and/or dermatol. composition in form of
       oil-in-water emulsion formed by lipid vesicles dispersed in aqueous phase
       containing at least one active hydrophilic acid)
IT  Hair preparations
       (bleaches; cosmetic and/or dermatol. composition in form of
       oil-in-water emulsion formed by lipid vesicles dispersed in aqueous phase
       containing at least one active hydrophilic acid)
IT  Anti-inflammatory agents
    Antibacterial agents
    Antioxidants
    Antiperspirants
    Centella asiatica
    Dyes
    Fungicides
    Immunomodulators
    Perfumes
    Surfactants
       (cosmetic and/or dermatol. composition in form of oil-in-water
       emulsion formed by lipid vesicles dispersed in aqueous phase containing at
       least one active hydrophilic acid)
IT  Ceramides
    Corn oil
    Essential oils
    Phospholipids, biological studies
    Sphingomyelins
    RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
    (Uses)
       (cosmetic and/or dermatol. composition in form of oil-in-water
       emulsion formed by lipid vesicles dispersed in aqueous phase containing at
       least one active hydrophilic acid)
IT  Cosmetics
       (creams; cosmetic and/or dermatol. composition in form of
       oil-in-water emulsion formed by lipid vesicles dispersed in aqueous phase
       containing at least one active hydrophilic acid)
IT  Skin, disease
       (depigmentation; cosmetic and/or dermatol. composition in form of
       oil-in-water emulsion formed by lipid vesicles dispersed in aqueous phase
       containing at least one active hydrophilic acid)
IT  Hair preparations
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         (dyes; cosmetic and/or dermatol. composition in form of
         oil-in-water emulsion formed by lipid vesicles dispersed in aqueous phase
         containing at least one active hydrophilic acid)
IT   Cosmetics
         (emulsions; cosmetic and/or dermatol. composition in form of
         oil-in-water emulsion formed by lipid vesicles dispersed in aqueous phase
         containing at least one active hydrophilic acid)
IT   Fatty acids, biological studies
     RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
     (Uses)
         (essential, glycerides; cosmetic and/or dermatol. composition in
         form of oil-in-water emulsion formed by lipid vesicles dispersed in aqueous
         phase containing at least one active hydrophilic acid)
IT   Melissa
     Microalgae
     Rosemary
         (extract; cosmetic and/or dermatol. composition in form of
         oil-in-water emulsion formed by lipid vesicles dispersed in aqueous phase
         containing at least one active hydrophilic acid)
IT   Carboxylic acids, biological studies
     RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
     (Uses)
         (hydroxy; cosmetic and/or dermatol. composition in form of
         oil-in-water emulsion formed by lipid vesicles dispersed in aqueous phase
         containing at least one active hydrophilic acid)
IT   Acne
     Dandruff
     Seborrhea
         (inhibitors; cosmetic and/or dermatol. composition in form of
         oil-in-water emulsion formed by lipid vesicles dispersed in aqueous phase
         containing at least one active hydrophilic acid)
IT   Radicals, biological studies
     RL: BSU (Biological study, unclassified); BIOL (Biological study)
         (inhibitors; cosmetic and/or dermatol. composition in form of
         oil-in-water emulsion formed by lipid vesicles dispersed in aqueous phase
         containing at least one active hydrophilic acid)
IT   Acids, biological studies
     RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
     (Uses)
         (inorg.; cosmetic and/or dermatol. composition in form of
         oil-in-water emulsion formed by lipid vesicles dispersed in aqueous phase
         containing at least one active hydrophilic acid)
IT   Cosmetics
         (moisturizers; cosmetic and/or dermatol. composition in form of
         oil-in-water emulsion formed by lipid vesicles dispersed in aqueous phase
         containing at least one active hydrophilic acid)
IT   Acids, biological studies
     RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
     (Uses)
         (organic; cosmetic and/or dermatol. composition in form of
         oil-in-water emulsion formed by lipid vesicles dispersed in aqueous phase
         containing at least one active hydrophilic acid)
IT   Carboxylic acids, biological studies
     RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
     (Uses)
         (oxo; cosmetic and/or dermatol. composition in form of
         oil-in-water emulsion formed by lipid vesicles dispersed in aqueous phase
         containing at least one active hydrophilic acid)
IT   Hair preparations
```

(permanent wave; cosmetic and/or dermatol. **composition** in form of oil-in-water emulsion formed by lipid vesicles dispersed in aqueous phase containing at least one active hydrophilic acid)

IT Cosmetics

(wrinkle-preventing; cosmetic and/or dermatol. **composition** in form of oil-in-water emulsion formed by lipid vesicles dispersed in aqueous phase containing at least one active hydrophilic acid)

IT 50-21-5, Lactic acid, biological studies 50-81-7, Ascorbic acid, biological studies 56-87-1, Lysine, biological studies 57-10-3, Palmitic acid, biological studies 57-11-4, Stearic acid, biological studies 58-95-7, D-α-Tocopherol acetate 59-02-9, D-α-Tocopherol 68-26-8D, Retinol, esters 69-72-7, -Salicylic acid, biological studies 74-79-3, Arginine, biological studies 77-92-9, Citric acid, biological studies 79-14-1, Glycolic acid, biological studies 81-13-0, D Panthenol 83-86-3, Phytic acid 87-69-4, Tartaric acid, biological studies 90-64-2, Mandelic acid 102-71-6, Triethanolamine, biological studies 106-11-6, Diethylene glycol monostearate 112-85-6, Behenic acid 115-83-3, Pentaerythritol tetrastearate 117-39-5, Quercetine 127-17-3, Pyruvic acid, biological studies 137-66-6, Ascorbyl palmitate 331-39-5, Caffeic acid 451-13-8, Homogentisic acid 464-92-6, Asiatic acid 490-79-9, Gentisic acid 501-30-4, Kojic acid 506-30-9, Arachidic acid 515-69-5, α-Bisabolol 526-95-4, Gluconic acid 1256-86-6D, Cholesterol sulfate, alkali salts 1310-73-2, Sodium hydroxide, biological studies 1338-41-6, Sorbitan monostearate 1449-05-4, β-Glycyrrhetinic acid 2197-63-9, Dicetyl phosphate 4358-16-1D, Cholesterol phosphate, alkali salts 4602-84-0, Farnesol 5466-77-3, Octyl 4-methoxycinnamate 6640-03-5, Dimyristyl phosphate 6915-15-7, Malic acid 7235-40-7, β-Carotene 7664-38-2, Phosphoric acid, biological studies 9004-99-3 9005-08-7, Polyoxyethylene distearate 9005-67-8, Polyoxyethylene sorbitan monostearate 9005-71-4, Polyoxyethylene sorbitan tristearate 10191-41-0, DL-α-Tocopherol 11099-07-3, Glyceryl stearate 11140-06-0, Glycerol palmitate 12694-22-3, Diglycerolmonostearate 16690-92-9D, Disodium glutamate, acyl derivs. 16830-15-2, Asiaticoside 18449-41-7, Madecassic acid 26658-19-5, Sorbitan tristearate 27195-16-0, Sucrose distearate 29548-30-9, Farnesyl acetate 30233-64-8, Glyceryl monobehenate 35054-79-6, Hydroxybutyric acid 36413-60-2, Quinic acid 39529-26-5, Decaglyceryl decastearate 52225-20-4, DL-α-Tocopherol acetate 71185-87-0, Hexaglyceryl tristearate 74563-64-7, Phytanetriol 78418-01-6, Octanoyl 5-salicylic acid 88122-99-0, Octyl triazone 95461-64-6, Decaglyceryl pentastearate 95461-65-7, Hexaglyceryl monostearate 99734-29-9, Tetraglyceryl tristearate 99880-64-5, Glyceryl dibehenate **108528-58-1**, Butylmethoxydibenozylmethane 119831-19-5 123013-10-5 155633-54-8 191226-60-5

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(cosmetic and/or dermatol. **composition** in form of oil-in-water emulsion formed by lipid vesicles dispersed in aqueous phase containing at least one active hydrophilic acid)

IT 1406-16-2, Vitamin d

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(glycerides; cosmetic and/or dermatol. **composition** in form of oil-in-water emulsion formed by lipid vesicles dispersed in aqueous phase containing at least one active hydrophilic acid)

IT **108528-58-1**, Butylmethoxydibenozylmethane

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

```
         (cosmetic and/or dermatol. composition in form of oil-in-water
         emulsion formed by lipid vesicles dispersed in aqueous phase containing at
         least one active hydrophilic acid)
RN     108528-58-1  HCAPLUS
CN     1,3-Propanedione, 1,3-diphenyl-, monobutyl monomethoxy deriv. (9CI)  (CA
       INDEX NAME)
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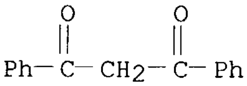

$$Ph-C(=O)-CH_2-C(=O)-Ph$$

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    D1— Bu-n


    D1— O— Me

RE.CNT  13     THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
               ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24   ANSWER 42 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN    2000:534962  HCAPLUS
DN    133:139915
TI    Cosmetic composition comprising at least a wax and at least a
      ceramide compound
IN    Restle, Serge; Cauwet-Martin, Daniele
PA    L'oreal, Fr.
SO    PCT Int. Appl., 29 pp.
      CODEN: PIXXD2
DT    Patent
LA    French
FAN.CNT 1
      PATENT NO.         KIND   DATE           APPLICATION NO.   DATE
      ---------------    ----   --------       ---------------   --------
PI    WO 2000044345       A1    20000803       WO 2000-FR128     20000120
          W:  AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,
              CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
              IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
              MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
              SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,
              AZ, BY, KG, KZ, MD, RU, TJ, TM
          RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
              DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
              CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
      FR 2788689          A1    20000728       FR 1999-883       19990127
      FR 2788689          B1    20020607
      CA 2360639          AA    20000803       CA 2000-2360639   20000120
      EP 1150651          A1    20011107       EP 2000-900630    20000120
          R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
              IE, SI, LT, LV, FI, RO
      BR 2000009137       A     20020226       BR 2000-9137      20000120
      JP 2003500337       T2    20030107       JP 2000-595649    20000120
PRAI  FR 1999-883         A     19990127
      WO 2000-FR128       W     20000120
OS    MARPAT 133:139915
AB    The invention concerns a cosmetic composition for treating keratinous
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materials, in particular human hair, comprising at least a wax with a m.p. ranging between 70 and 85° and whereof at least 80 % of the carbon chains contain more than 40 carbon atoms and at least a ceramide-type compound The invention also concerns a treatment method using said **composition** An after-shampoo **composition** contained N-(2-hydroxy-hexadecanoyl)-2-aminocatadecane-1,3-diol 0.1, hydrogenated sunflower wax 0.4, behenyltrimethyl ammonium chloride 1.6, and water q.s. 100 g.

IC ICM A61K007-48
CC 62-3 (Essential Oils and **Cosmetics**)
IT Polyelectrolytes
Surfactants
(amphoteric; cosmetic **composition** comprising at least wax and at least ceramide compound)
IT Polyelectrolytes
Surfactants
(anionic; cosmetic **composition** comprising at least wax and at least ceramide compound)
IT Hair preparations
(bleaches; cosmetic **composition** comprising at least wax and at least ceramide compound)
IT Polyelectrolytes
Surfactants
(cationic; cosmetic **composition** comprising at least wax and at least ceramide compound)
IT Preservatives
Shampoos
Solvents
Sunscreens
Surfactants
Thickening agents
(cosmetic **composition** comprising at least wax and at least ceramide compound)
IT Alcohols, biological studies
Ceramides
Fatty acids, biological studies
Polymers, biological studies
Protein hydrolyzates
Proteins, general, biological studies
Vitamins
Waxes
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(cosmetic **composition** comprising at least wax and at least ceramide compound)
IT Cosmetics
(creams; cosmetic **composition** comprising at least wax and at least ceramide compound)
IT **Hair** preparations
(**dyes**; cosmetic **composition** comprising at least wax and at least ceramide compound)
IT Fatty acids, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(esters; cosmetic **composition** comprising at least wax and at least ceramide compound)
IT Glycols, biological studies
Glycols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

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      (Uses)
         (ethers; cosmetic composition comprising at least wax and at least
         ceramide compound)
IT    Cosmetics
         (gels; cosmetic composition comprising at least wax and at least
         ceramide compound)
IT    Ethers, biological studies
      Ethers, biological studies
      RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
      (Uses)
         (glycol; cosmetic composition comprising at least wax and at least
         ceramide compound)
IT    Carboxylic acids, biological studies
      RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
      (Uses)
         (hydroxy; cosmetic composition comprising at least wax and at
         least ceramide compound)
IT    Cosmetics
         (lotions; cosmetic composition comprising at least wax and at
         least ceramide compound)
IT    Cosmetics
         (mousses; cosmetic composition comprising at least wax and at
         least ceramide compound)
IT    Surfactants
         (nonionic; cosmetic composition comprising at least wax and at
         least ceramide compound)
IT    Hair preparations
         (permanent wave; cosmetic composition comprising at least wax and
         at least ceramide compound)
IT    Alcohols, biological studies
      RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
      (Uses)
         (polyhydric; cosmetic composition comprising at least wax and at
         least ceramide compound)
IT    Cosmetics
         (sprays; cosmetic composition comprising at least wax and at least
         ceramide compound)
IT    Cosmetics
         (sticks; cosmetic composition comprising at least wax and at least
         ceramide compound)
IT    81-13-0, Panthenol   2304-80-5   5966-29-0   34227-66-2   34227-83-3
      36332-93-1, 18-Methyl eicosanoic acid   110483-07-3   147492-65-7
      149591-38-8   160065-31-6   190249-36-6   190274-06-7
      190381-46-5
      RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
      (Uses)
         (cosmetic composition comprising at least wax and at least
         ceramide compound)
IT    149591-38-8
      RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
      (Uses)
         (cosmetic composition comprising at least wax and at least
         ceramide compound)
RN    149591-38-8  HCAPLUS
CN    Propanediamide, N,N'-dihexadecyl-N,N'-bis(2-hydroxyethyl)- (9CI)  (CA
      INDEX NAME)
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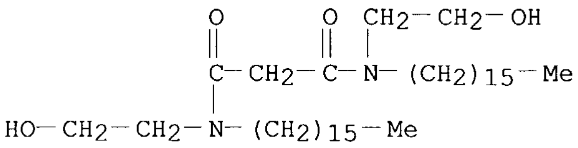


RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 43 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:513700 HCAPLUS
DN 133:136754
TI Novel cationic oxidation bases with a pyrazolo[1,5-a]pyrimidine structure, their use for oxidation **dyeing** of **keratin** fibers, **dyeing compositions** et **dyeing** methods
IN Terranova, Eric; Fadli, Aziz; Lagrange, Alain
PA L'oreal, Fr.
SO PCT Int. Appl., 52 pp.
CODEN: PIXXD2
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000043396	A1	20000727	WO 2000-FR73	20000114

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	FR 2788522	A1	20000721	FR 1999-503	19990119
	FR 2788522	B1	20010216		
	CA 2359089	AA	20000727	CA 2000-2359089	20000114
	EP 1147109	A1	20011024	EP 2000-900581	20000114
	EP 1147109	B1	20030402		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 2002535333	T2	20021022	JP 2000-594812	20000114
	AT 236168	E	20030415	AT 2000-900581	20000114
	ES 2195852	T3	20031216	ES 2000-900581	20000114
PRAI	FR 1999-503	A	19990119		
	WO 2000-FR73	W	20000114		

OS MARPAT 133:136754
AB The invention concerns novel 4-aminopyrazolo[1,5-a]pyrimidines comprising ≥1 cationic group Z, Z being selected among quaternized aliphatic chains, aliphatic chains comprising ≥1 quaternized ring, and their use as oxidation base for **dyeing keratin** fibers, the **dyeing** compns. containing them, and the oxidation dyeing methods using them. These compds. allow **dyeing** of **keratin** fibers so that individual strands have multiple shades. Thus, reaction of 50 g 4-nitro-1H-pyrazol-3-ylamine hydrochloride 12 h at reflux with 60 g Et acetoacetate in HOAc, chlorination of 23.3 1st intermediate 2.5 h at reflux with 230 cm3 POCl3 in presence of 15.4 g PhNMe2, reaction of 4.5 g

2nd intermediate 2 h with 2.88 g 3-imidazol-1-ylpropylamine in a DMF-dioxane mixture in presence of Et3N, reaction of 3 g 3rd intermediate 6 h at reflux with 10 g 2-chloroethanol, and reduction of the 4th intermediate gave 3-[3-(3-amino-5-methylpyrazolo[1,5]pyrimidin-7-ylamino)propyl]-1-(2-hydroxyethyl)-3H-imidazol-1-ium chloride, which was isolated as the dihydrochloride.

IC ICM C07D487-04
ICS A61K007-13; C07D487-04; C07D239-00; C07D231-00

CC 41-9 (Dyes, Organic Pigments, Fluorescent Brighteners, and Photographic Sensitizers)
Section cross-reference(s): 28, **62**

ST cationic pyrazolopyrimidine deriv precursor oxidn **dyeing hair**; quaternary ammonium pyrazolopyrimidine deriv precursor oxidn **dyeing hair**; aminomethylpyrazolopyrimidinyl hydroxyethylimidazolium chloride manuf precursor oxidn **dyeing hair**

IT **Hair** preparations
(**dyes**; quaternary ammonium oxidation bases with a pyrazolo[1,5-a]pyrimidine structure as precursors for oxidation **dyeing** of **hair**)

IT Quaternary ammonium compounds, preparation
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)
(quaternary ammonium oxidation bases with a pyrazolo[1,5-a]pyrimidine structure as precursors for oxidation **dyeing** of **hair**)

IT 201599-30-6P 201599-31-7P 286373-85-1P **286373-88-4P**
286373-89-5P 286373-90-8P 286373-91-9P
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(quaternary ammonium base precursor; quaternary ammonium oxidation bases with a pyrazolo[1,5-a]pyrimidine structure as precursors for oxidation **dyeing** of **hair**)

IT 107-07-3, 2-Chloroethanol, reactions **141-97-9**, Ethyl acetoacetate 5036-48-6, 3-Imidazol-1-ylpropylamine **39562-54-4**, Methyl 2-acetyl-3-pyridin-3-ylacrylate 201599-35-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(quaternary ammonium base precursor; quaternary ammonium oxidation bases with a pyrazolo[1,5-a]pyrimidine structure as precursors for oxidation **dyeing** of **hair**)

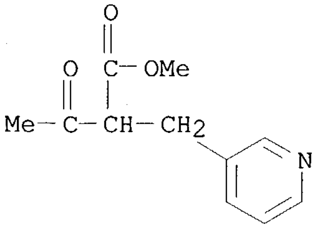
IT 286373-84-0P 286373-87-3P 286373-92-0P 286373-94-2P 286373-96-4P
286373-98-6P 286374-00-3P 286374-02-5P 286374-04-7P 286374-05-8P
286374-07-0P 286374-08-1P 286374-10-5P 286374-11-6P 286374-13-8P
286374-14-9P
RL: BUU (Biological use, unclassified); IMF (Industrial manufacture); BIOL (Biological study); PREP (Preparation); USES (Uses)
(quaternary ammonium oxidation bases with a pyrazolo[1,5-a]pyrimidine structure as precursors for oxidation **dyeing** of **hair**)

IT 286373-86-2P
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(quaternary ammonium oxidation bases with a pyrazolo[1,5-a]pyrimidine structure as precursors for oxidation **dyeing** of **hair**)

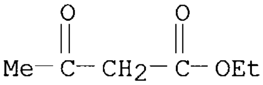
IT **286373-88-4P**
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(quaternary ammonium base precursor; quaternary ammonium oxidation bases with a pyrazolo[1,5-a]pyrimidine structure as precursors for oxidation **dyeing** of **hair**)

RN 286373-88-4 HCAPLUS

CN 3-Pyridinepropanoic acid, α-acetyl-, methyl ester (9CI) (CA INDEX NAME)

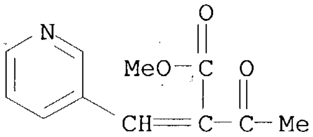


IT **141-97-9**, Ethyl acetoacetate **39562-54-4**, Methyl 2-acetyl-3-pyridin-3-ylacrylate
RL: RCT (Reactant); RACT (Reactant or reagent)
(quaternary ammonium base precursor; quaternary ammonium oxidation bases with a pyrazolo[1,5-a]pyrimidine structure as precursors for oxidation **dyeing** of **hair**)
RN 141-97-9 HCAPLUS
CN Butanoic acid, 3-oxo-, ethyl ester (9CI) (CA INDEX NAME)



$Me-C(=O)-CH_2-C(=O)-OEt$

RN 39562-54-4 HCAPLUS
CN Butanoic acid, 3-oxo-2-(3-pyridinylmethylene)-, methyl ester (9CI) (CA INDEX NAME)



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 44 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:351345 HCAPLUS
DN 133:8868
TI Cosmetic **compositions** containing an anionic alkylpolyglycoside ester surfactant and a ceramide
IN Cauwet-Martin, Daniele; Restle, Serge
PA L'Oreal, Fr.
SO PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000028966	A1	20000525	WO 1999-FR2438	19991011

```
         W:  AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,
             CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,
             IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
             MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
             SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
             DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
             CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     FR 2785795          A1   20000519      FR 1998-14212    19981112
     FR 2785795          B1   20021129
     AU 9960944          A1   20000605      AU 1999-60944    19991011
     EP 1047404          A1   20001102      EP 1999-947532   19991011
     EP 1047404          B1   20020424
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
     AT 216574           E    20020515      AT 1999-947532   19991011
     ES 2180329          T3   20030201      ES 1999-947532   19991011
PRAI FR 1998-14212       A    19981112
     WO 1999-FR2438      W    19991011
OS   MARPAT 133:8868
AB   The invention concerns novel cosmetic compns. comprising in a cosmetically
     acceptable medium at least an anionic surfactant such as a carboxylic
     alkylpolyglycoside ester and at least a compound such as ceramide.  The
     invention aims at improving the fixing of compds. such as ceramide on
     and/or in keratinous materials.  The invention also concerns cosmetic
     compns. having improved cosmetic properties, in particular for brushing
     keratinous fibers.  A shampoo contained 70% ethoxylated sodium lauryl
     ether sulfate 15, 30% disodium cocoglucoside citrate 5,
     2-N-oleoylamio-octadecane-1,3-diol 0.5, Jaguar C13S 0.2, ethylene glycol
     distearate 1, copra acid monoisoporpanolamide 2, citric acid 7, and water
     q.s. 100 g.
IC   ICM  A61K007-50
     ICS  A61K007-06; A61K007-48
CC   62-3 (Essential Oils and Cosmetics)
IT   Hair preparations
        (dyes; cosmetic compns. containing anionic alkylpolyglycoside
        ester surfactant and ceramide)
IT   81-13-0, Panthenol   26062-79-3, Dimethyldiallylammonium chloride
     homopolymer   26590-05-6, Acrylamide-Dimethyldiallylammonium chloride
     copolymer   28791-69-7   36332-93-1, Methyl 18-eicosanoic acid
     54422-45-6   54482-09-6   96673-02-8   129426-19-3 149591-38-8
     150177-00-7   206052-70-2   245654-94-8   270086-08-3   270258-24-7,
     Eucarol AGE-EC
     RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
     (Uses)
        (cosmetic compns. containing anionic alkylpolyglycoside ester surfactant
        and ceramide)
IT   149591-38-8
     RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
     (Uses)
        (cosmetic compns. containing anionic alkylpolyglycoside ester surfactant
        and ceramide)
RN   149591-38-8  HCAPLUS
CN   Propanediamide, N,N'-dihexadecyl-N,N'-bis(2-hydroxyethyl)- (9CI)  (CA
     INDEX NAME)
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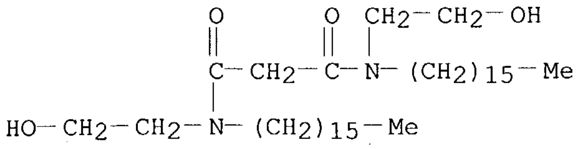
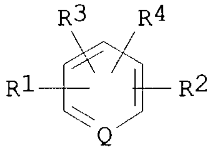


RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 45 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1999:603800 HCAPLUS
DN 131:233386
TI **Hair dyes**
IN Braun, Hans-Juergen; Semadeni, Pascal Andre
PA Wella A.-G., Germany
SO Ger., 38 pp.
CODEN: GWXXAW
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19813937	C1	19990916	DE 1998-19813937	19980328
PRAI	DE 1998-19813937		19980328		

OS MARPAT 131:233386
GI



I

AB **Hair dyes** which provide an intense orange to red-brown color contain an oxidative developer-coupler combination based e.g. on p-phenylenediamines and m- or p-aminophenols in addition to a nitrophenyl or nitropyridine direct dye I [Q = CH, N; R1 = NO2; R2 = H, NO2; R3 = H, NH2, CH(CN)CO2Et; R4 = 5-(2,2-dimethyl-4,6-dioxo-1,3-dioxanyl), CHR5R6; R5 = CN, CO2Et; R6 = CN, COMe, CONH2, CO2Et]. Thus, a dye **composition** containing Et cyano(2,4-dinitrophenyl)acetate (II) 1400, 5-amino-2-methylphenol 615, 1,4-diamino-2-methylbenzene 540 mg, 28% aqueous Na lauryl alc. diglycol ether sulfate 10.0, EtOH 10.0, ascorbic acid 0.3, and demineralized water to 100.0 g was combined 1:1 with 6% aqueous H2O2 and applied to the hair at 40° for 30 min to confer a color which depended on the pH: aubergine-grenadine at pH 5, aubergine-chestnut at pH 7, and copper-brown at pH 8. II was prepared by reaction of Et cyanoacetate with 2,4-dinitro-1-fluorobenzene and NaOEt.
IC ICM A61K007-13
ICS D06P001-32; D06P003-08
ICA D06P003-14; D06P003-30
CC 62-3 (Essential Oils and **Cosmetics**)
Section cross-reference(s): 25, 27
ST nitrophenyl direct **dye hair**; nitropyridine direct **dye** prepn **hair**

IT **Hair** preparations
(**dyes**, oxidative; **hair dyes**)

IT **Hair** preparations
(**dyes**; **hair dyes**)

IT 83-56-7, 1,5-Dihydroxynaphthalene 89-25-8, 3-Methyl-1-phenyl-5-
pyrazolone 89-83-8, 5-Methyl-2-(1-methylethyl)phenol 90-15-3,
1-Naphthol 95-55-6, 2-Aminophenol 95-70-5, 1,4-Diamino-2-methylbenzene
95-88-5, 1-Chloro-2,4-dihydroxybenzene 106-50-3, 1,4-Benzenediamine,
biological studies 108-46-3, 1,3-Dihydroxybenzene, biological studies
141-86-6, 2,6-Diaminopyridine 150-75-4, 4-Methylaminophenol 533-31-3,
3,4-Methylenedioxyphenol 575-38-2, 1,7-Dihydroxynaphthalene 582-17-2,
2,7-Dihydroxynaphthalene 591-27-5, 3-Aminophenol 608-25-3,
1,3-Dihydroxy-2-methylbenzene 1004-74-6, 2,4,5,6-Tetraaminopyrimidine
1004-75-7, 2,5,6-Triaminopyrimidin-4(1H)-one 2380-94-1, 4-Hydroxyindole
2835-95-2, 5-Amino-2-methylphenol 2835-98-5, 2-Amino-5-methylphenol
2835-99-6, 4-Amino-3-methylphenol 5349-76-8, 2,4-Diamino-1-methoxy-5-
methylbenzene 5697-02-9, 2-Methyl-1-naphthyl acetate 6201-65-6,
2-Chloro-1,3-dihydroxybenzene 6941-70-4, 6-Bromo-1-hydroxy-3,4-
methylenedioxybenzene 7575-35-1, 4-[Bis(2-hydroxyethyl)amino]aniline
16867-03-1, 2-Amino-3-hydroxypyridine 26011-57-4, 6-Amino-3,4-dihydro-
1,4(2H)-benzoxazine 26021-57-8, 3,4-Dihydro-6-hydroxy-1,4(2H)-
benzoxazine 26455-21-0, N-(3-Dimethylaminophenyl)urea 28020-38-4,
2,3-Diamino-6-methoxypyridine 29785-47-5, 4-Amino-2-
(methoxymethyl)phenol 39489-79-7, 5-Amino-2,4-dichlorophenol
53222-92-7, 3-Amino-2-methylphenol 55302-96-0, 5-[(2-Hydroxyethyl)amino]-
2-methylphenol 61693-42-3, 3-Amino-2,4-dichlorophenol 66566-48-1,
4-[(2-Methoxyethyl)amino]aniline 66583-79-7, 1,4-Diamino-2-(2-
hydroxyethoxy)benzene dihydrochloride 70643-19-5, 2,4-Diamino-1-(2-
hydroxyethoxy)benzene 74918-21-1, 1,3-Bis(2,4-diaminophenoxy)propane
tetrahydrochloride 79352-72-0, 4-Amino-2-(aminomethyl)phenol
81892-72-0, 1,3-Bis(2,4-diaminophenoxy)propane 83763-47-7,
2-Amino-4-[(2-hydroxyethyl)amino]anisole 83763-48-8 84540-50-1,
3-Amino-2-chloro-6-methylphenol 85679-78-3, 3,5-Diamino-2,6-
dimethoxypyridine 86817-42-7, 2-(4-Amino-2-hydroxyphenoxy)ethanol
90817-34-8, 3-Amino-6-methoxy-2-(methylamino)pyridine 93841-24-8,
1,4-Diamino-2-(2-hydroxyethyl)benzene 93841-25-9 94082-77-6,
2,4-Diamino-1,5-bis(2-hydroxyethoxy)benzene 97902-52-8,
1,4-Diamino-2-(1-methylethyl)benzene 104752-48-9, 4-[(3-
Hydroxypropyl)amino]aniline 110952-46-0, 4-Amino-2-[(2-
hydroxyethyl)amino]methylphenol 111451-24-2, 2,6-Diamino-3,5-
dimethoxypyridine 122455-85-0, 5-Amino-4-fluoro-2-methylphenol
128729-30-6, 1,3-Bis[(4-aminophenyl)(2-hydroxyethyl)amino]-2-propanol
135043-64-0, 4-Amino-2-(aminomethyl)phenol dihydrochloride 139443-57-5,
5-Amino-4-ethoxy-2-methylphenol 141614-05-3, 2,4-Diamino-1-(2-
hydroxyethoxy)-5-methylbenzene 141922-20-5, 2,4-Diamino-1-fluoro-5-
methylbenzene 155601-16-4, 4,5-Diamino-1-(1-methylethyl)-1H-pyrazole
155601-17-5, 4,5-Diamino-1-(2-hydroxyethyl)-1H-pyrazole 157469-54-0,
4,5-Diamino-1-[(4-methylphenyl)methyl]-1H-pyrazole 159661-45-7,
1,8-Bis(2,5-diaminophenoxy)-3,6-dioxaoctane 244028-58-8,
2,4-Bis[(2-hydroxyethyl)amino]-1,5-dimethoxybenzene 244028-59-9,
5-[(2-Hydroxyethyl)amino]-1,3-benzodioxole
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(**hair dyes**)

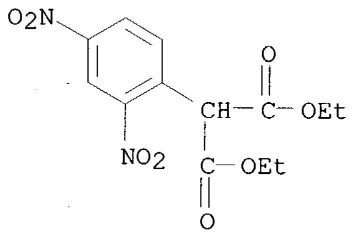
IT **4950-04-3P 10565-13-6P** 60059-82-7P, Ethyl
cyano(2,4-dinitrophenyl)acetate 91090-86-7P 218964-81-9P, Ethyl
(5-amino-2,4-dinitrophenyl)cyanoacetate 218964-82-0P 218964-83-1P
244028-51-1P 244028-52-2P 244028-53-3P 244028-54-4P
244028-55-5P 244028-56-6P

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**hair dyes**)

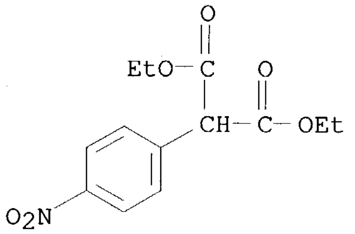
IT 70-34-8, 2,4-Dinitro-1-fluorobenzene 100-00-5, 4-Nitrochlorobenzene **105-53-3**, Diethyl malonate 105-56-6, Ethyl cyanoacetate 109-77-3, Malonic acid dinitrile **141-97-9**, Ethyl acetoacetate 327-92-4, 2,4-Dinitro-1,5-difluorobenzene 367-81-7, 2,4-Dinitro-5-fluoroaniline 2033-24-1, Meldrum's acid 2578-45-2, 2-Chloro-3,5-dinitropyridine 4548-45-2, 2-Chloro-5-nitropyridine 5470-18-8, 2-Chloro-3-nitropyridine
RL: RCT (Reactant); RACT (Reactant or reagent)
(**hair dyes**)

IT **4950-04-3P 10565-13-6P 244028-51-1P**
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**hair dyes**)

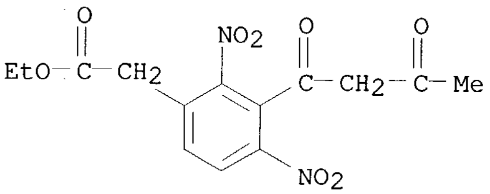
RN 4950-04-3 HCAPLUS
CN Propanedioic acid, (2,4-dinitrophenyl)-, diethyl ester (9CI) (CA INDEX NAME)



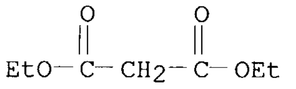
RN 10565-13-6 HCAPLUS
CN Propanedioic acid, (4-nitrophenyl)-, diethyl ester (9CI) (CA INDEX NAME)



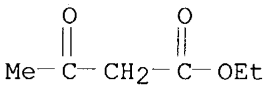
RN 244028-51-1 HCAPLUS
CN Benzeneacetic acid, 3-(1,3-dioxobutyl)-2,4-dinitro-, ethyl ester (9CI) (CA INDEX NAME)



IT **105-53-3**, Diethyl malonate **141-97-9**, Ethyl acetoacetate
RL: RCT (Reactant); RACT (Reactant or reagent)
(**hair dyes**)
RN 105-53-3 HCAPLUS
CN Propanedioic acid, diethyl ester (9CI) (CA INDEX NAME)


$EtO-\overset{O}{\overset{\|}{C}}-CH_2-\overset{O}{\overset{\|}{C}}-OEt$

RN 141-97-9 HCAPLUS
CN Butanoic acid, 3-oxo-, ethyl ester (9CI) (CA INDEX NAME)


$Me-\overset{O}{\overset{\|}{C}}-CH_2-\overset{O}{\overset{\|}{C}}-OEt$

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 46 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1999:497038 HCAPLUS
DN 131:120604
TI Preparation of 3-aminopyrazolo[1,5-a]pyrimidines for **hair dye compositions**
IN Terranova, Eric; Fadli, Aziz; Lagrange, Alain
PA Oreal S. A., Fr.
SO Fr. Demande, 41 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2771631	A1	19990604	FR 1997-15244	19971203
	FR 2771631	B1	20010202		
	EP 926149	A1	19990630	EP 1998-402823	19981113
	EP 926149	B1	20010307		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	AT 199554	E	20010315	AT 1998-402823	19981113
	ES 2157116	T3	20010801	ES 1998-402823	19981113
	JP 11236323	A2	19990831	JP 1998-343445	19981202
	JP 3023098	B2	20000321		
	CA 2253678	C	20030211	CA 1998-2253678	19981202
	CA 2253678	AA	19990603		
	US 6248137	B1	20010619	US 1998-204559	19981203
	US 2001020310	A1	20010913	US 2001-843842	20010430
PRAI	FR 1997-15244	A	19971203		
	US 1998-204559	A3	19981203		

OS MARPAT 131:120604
AB 3-Aminopyrazolo(1,5-a)pyrimidines are prepared for use in **hair dye** compns. Thus, pyrazolo[1,5-a]pyrimidin-3-ylamine-HCl (I) was prepared by the reaction of malonaldehyde bisdiethylacetal with

4-nitro-2H-pyrazol-3-ylamine-HCl followed by the reduction of the resulting
3-nitropyrazolo[1,5-a]pyrimidine with Zn and NH4Cl in EtOH and further
treatment with HCl gas. Thus, a **hair dye**
composition contained I 0.51, 2-methyl-5-aminophenol 0.37 ans water to
100 g. In addition, this **composition** contained ETOH, aqueous sodium
metabisulfite solution, pentasodium diethylenetriaminopentaacetate, 20% NH3
and water.

IC ICM A61K007-13
ICS C07D487-04

ICI C07D487-04, C07D239-20, C07D231-38

CC 62-3 (Essential Oils and **Cosmetics**)
Section cross-reference(s): 28

ST oxidative **hair dye** aminopyrazolopyrimidine prepn;
pyrazolopyrimidine amine oxidative **hair dye** prepn

IT **Hair** preparations
(**dyes**, oxidative; preparation of aminopyrazolopyrimidines for
hair dye compns.)

IT Amines, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(phenylalkyl; preparation of aminopyrazolopyrimidines for **hair**
dye compns.)

IT Bromates
Enzymes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(preparation of aminopyrazolopyrimidines for **hair dye**
compns.)

IT 89-25-8 90-15-3, α-Naphthol 95-55-6, o-Aminophenol 95-88-5
106-50-3, 1,4-Benzenediamine, biological studies 108-45-2,
1,3-Benzenediamine, biological studies 108-46-3, 1,3-Benzenediol,
biological studies 123-30-8, p-Aminophenol 124-43-6 533-31-3,
Sesamol 591-27-5 608-25-3 2380-86-1, 1H-Indol-6-ol 2380-94-1,
1H-Indol-4-ol 2835-95-2, 2-Methyl-5-aminophenol 4344-87-0 4664-16-8
4770-37-0 7556-37-8 7722-84-1, Hydrogen peroxide, biological studies
55302-96-0 70643-19-5 81892-72-0 83763-47-7
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(preparation of aminopyrazolopyrimidines for **hair dye**
compns.)

IT 232600-90-7P
RL: BUU (Biological use, unclassified); RCT (Reactant); SPN (Synthetic
preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant
or reagent); USES (Uses)
(preparation of aminopyrazolopyrimidines for **hair dye**
compns.)

IT 43024-31-3P 136548-57-7P 136873-47-7P 232600-78-1P 232600-79-2P
232600-80-5P 232600-81-6P 232600-82-7P 232600-83-8P 232600-84-9P
232600-93-0P, Pyrazolo[1,5-a]pyrimidin-3-amine 232600-94-1P
232600-95-2P 232600-96-3P 232600-97-4P 232600-98-5P 232601-00-2P
232601-01-3P 232601-02-4P 232601-03-5P 232601-04-6P 232601-05-7P
232601-06-8P
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL
(Biological study); PREP (Preparation); USES (Uses)
(preparation of aminopyrazolopyrimidines for **hair dye**
compns.)

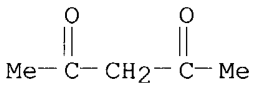
IT 122-31-6 **123-54-6**, Acetylacetone, reactions **815-57-6**,
3-Methyl-2,4-pentanedione **1118-71-4**, 2,2,6,6-Tetramethyl-3,5-
heptanedione **1522-22-1**, 1,1,1,5,5,5-Hexafluoro-2,4-pentanedione

5436-21-5, AcetylacetaLdehyde dimethyl acetal 28491-52-3 31230-17-8,
3-Amino-5-methylpyrazole 201599-35-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of aminopyrazolopyrimidines for **hair dye** compns.)

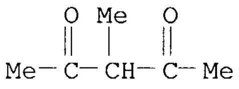
IT 26911-66-0P 43024-30-2P 55405-64-6P 90559-15-2P 232600-85-0P
232600-86-1P 232600-87-2P 232600-88-3P 232600-89-4P 232600-91-8P
232600-92-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of aminopyrazolopyrimidines for **hair dye** compns.)

IT **123-54-6**, Acetylacetone, reactions **815-57-6**,
3-Methyl-2,4-pentanedione **1118-71-4**, 2,2,6,6-Tetramethyl-3,5-heptanedione **1522-22-1**, 1,1,1,5,5,5-Hexafluoro-2,4-pentanedione
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of aminopyrazolopyrimidines for **hair dye** compns.)

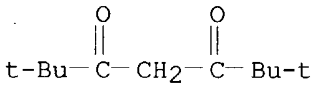
RN 123-54-6 HCAPLUS
CN 2,4-Pentanedione (8CI, 9CI) (CA INDEX NAME)


$\mathrm{Me-\overset{\overset{O}{\|}}{C}-CH_2-\overset{\overset{O}{\|}}{C}-Me}$

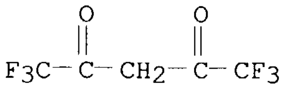
RN 815-57-6 HCAPLUS
CN 2,4-Pentanedione, 3-methyl- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)


$\mathrm{Me-\overset{\overset{O}{\|}}{C}-\overset{\overset{Me}{|}}{CH}-\overset{\overset{O}{\|}}{C}-Me}$

RN 1118-71-4 HCAPLUS
CN 3,5-Heptanedione, 2,2,6,6-tetramethyl- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)


$\mathrm{t\text{-}Bu-\overset{\overset{O}{\|}}{C}-CH_2-\overset{\overset{O}{\|}}{C}-Bu\text{-}t}$

RN 1522-22-1 HCAPLUS
CN 2,4-Pentanedione, 1,1,1,5,5,5-hexafluoro- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)


$\mathrm{F_3C-\overset{\overset{O}{\|}}{C}-CH_2-\overset{\overset{O}{\|}}{C}-CF_3}$

L24 ANSWER 47 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN

```
AN    1998:776638  HCAPLUS
DN    130:29050
TI    Hair coloring compositions containing
      phenols and naphthols
IN    Pratt, Dominic
PA    The Procter & Gamble Co., USA
SO    PCT Int. Appl., 85 pp.
      CODEN: PIXXD2
DT    Patent
LA    English
FAN.CNT 5
      PATENT NO.          KIND  DATE            APPLICATION NO.   DATE
      ---------------     ----  --------        ---------------   --------
PI    WO 9852523          A1    19981126        WO 1998-US10503   19980522
          W:  AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
              DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG,
              KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
              NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
              UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
          RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
              FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
              CM, GA, GN, ML, MR, NE, SN, TD, TG
      ZA 9804327          A     19981130        ZA 1998-4327      19980521
      ZA 9804328          A     19981130        ZA 1998-4328      19980521
      ZA 9804323          A     19991116        ZA 1998-4323      19980521
      AU 9875913          A1    19981211        AU 1998-75913     19980522
      EP 1003466          A1    20000531        EP 1998-923679    19980522
          R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI
      JP 2001507374       T2    20010605        JP 1998-550680    19980522
      MX 9910824          A     20000430        MX 1999-10824     19991123
      US 2002124329       A1    20020912        US 1999-424473    19991123
      US 2002035758       A1    20020328        US 2001-974254    20011010
      US 2002035759       A1    20020328        US 2001-974293    20011010
PRAI  GB 1997-10754       A     19970523
      GB 1997-10756       A     19970523
      GB 1997-10757       A     19970523
      GB 1997-10759       A     19970523
      GB 1997-10761       A     19970523
      WO 1998-US10503     W     19980522
      US 1999-424372      A1    19991122
      US 1999-424477      A1    19991123
AB    Novel hair coloring compns. are provided which give
      improved fade resistance.  They comprise (i) 1 or more developers selected
      from amino aromatic systems capable of being oxidized and of undergoing a
      single electrophilic attack, and (ii) 1 or more couplers selected from (A)
      phenols and naphthols having an active leaving group in the para position
      to the OH group, (B) 1,3-diketones containing an active leaving group, and (C)
      compds. e.g., pyrazolones, containing active leaving group.  Thus, a hair
      composition contained Ceteareth-25 0.84, cetyl alc. 1.16, stearyl alc.
      1.16, a pyrazolone 0.16, α-naphthol 0.0046, benzoylacetanilide 1.86,
      EtOH 9.3, NH3 1.6, H2O2 3.0, Na2SO3 0.46, EDTA 0.46, methanesulfonyl-
      containing p-phenylenediamine derivative 0.87 and water to 100%.  This
formulation
      (8 g) was applied to a 4-g switch of light brown permed and bleached hair
      for 30 min.  The hair formulation gave a greater change in color upon
      dyeing than the com. formulation.
IC    ICM  A61K007-13
CC    62-3 (Essential Oils and Cosmetics)
ST    hair dye phenol naphthol diketone pyrazolone
```

IT Ketones, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(diketones; **hair coloring** compns. containing phenols and naphthols)

IT **Hair** preparations
(**dyes; hair coloring** compns. containing phenols and naphthols)

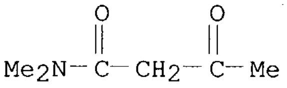
IT Phenols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**hair coloring** compns. containing phenols and naphthols)

IT Phenols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(naphthols; **hair coloring** compns. containing phenols and naphthols)

IT 89-25-8 90-15-3, α-Naphthol 92-09-1 92-65-9 108-26-9 959-66-0 **2044-64-6**, N,N-Dimethylacetoacetamide **2235-46-3**, N,N-Diethylacetoacetamide 5930-28-9, 2,6-Dichloro-p-aminophenol
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**hair coloring** compns. containing phenols and naphthols)

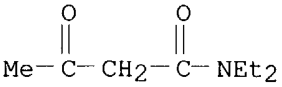
IT **2044-64-6,** N,N-Dimethylacetoacetamide **2235-46-3,** N,N-Diethylacetoacetamide
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**hair coloring** compns. containing phenols and naphthols)

RN 2044-64-6 HCAPLUS
CN Butanamide, N,N-dimethyl-3-oxo- (9CI) (CA INDEX NAME)



$Me_2N-C(=O)-CH_2-C(=O)-Me$

RN 2235-46-3 HCAPLUS
CN Butanamide, N,N-diethyl-3-oxo- (9CI) (CA INDEX NAME)



$Me-C(=O)-CH_2-C(=O)-NEt_2$

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 48 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1998:776637 HCAPLUS
DN 130:43135
TI **Hair coloring compositions** containing aminoaromatic developers, couplers and antioxidants
IN Pratt, Dominic
PA The Procter & Gamble Co., USA

```
SO   PCT Int. Appl., 81 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 5
     PATENT NO.          KIND  DATE            APPLICATION NO.   DATE
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PI   WO 9852522           A1   19981126        WO 1998-US10502   19980522
         W:  AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG,
             KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
             NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
             UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
             FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
             CM, GA, GN, ML, MR, NE, SN, TD, TG
     ZA 9804327           A    19981130        ZA 1998-4327      19980521
     ZA 9804328           A    19981130        ZA 1998-4328      19980521
     ZA 9804323           A    19991116        ZA 1998-4323      19980521
     AU 9876921           A1   19981211        AU 1998-76921     19980522
     AU 744937            B2   20020307
     EP 989841            A1   20000405        EP 1998-924846    19980522
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI
     BR 9809463           A    20000620        BR 1998-9463      19980522
     JP 2001504863        T2   20010410        JP 1998-550679    19980522
     MX 9910828           A    20000731        MX 1999-10828     19991123
     US 2002035758        A1   20020328        US 2001-974254    20011010
     US 2002035759        A1   20020328        US 2001-974293    20011010
PRAI GB 1997-10754        A    19970523
     GB 1997-10756        A    19970523
     GB 1997-10757        A    19970523
     GB 1997-10759        A    19970523
     GB 1997-10761        A    19970523
     WO 1998-US10502      W    19980522
     US 1999-424372       A1   19991122
     US 1999-424477       A1   19991123
OS   MARPAT 130:43135
GI
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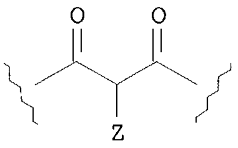

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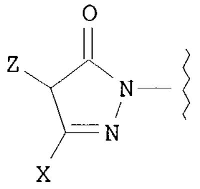


II

AB **Hair coloring** compns. are provided which comprise (i) one or more developers selected from amino aromatic systems capable of being oxidized and thereafter undergoing a single electrophilic attack, and (ii) one or more couplers selected from (A) phenols and naphthols having an active leaving group in the para position relative to the hydroxyl group, (B) 1,3-diketones containing the group (I) in which Z is an active leaving group, and (C) compds. containing the group (II) in which Z is an active leaving group, and X is an active leaving group or a non-leaving substituent, such that in the presence of an oxidizing agent the or each developer reacts with the or each coupler substantially only at the positions having the active leaving group Z and, if X is an active leaving group, X, and (iii) an antioxidant. Use of an antioxidant with these coloring agents gives good fade resistance. A kit, method and system for **coloring hair** are also provided using these **coloring** agents. A **hair dye composition** contained ceteareth-25 0.84, cetyl alc. 1.16, stearyl alc. 1.16, pyrazolone 0.16, N-ethyl-N-(2-methylsulfonylamionoethyl)-3-methyl-p-phenylenediamine 0.87, α-naphthol 0.0046, benzoylacetanilide 1.86, ethanol 9.3, ammonium hydroxide 1.6, hydrogen peroxide 3.0, sodium sulfite 0.46, EDTA 0.46, and water q.s. 100%.

IC ICM A61K007-13

CC 62-4 (Essential Oils and **Cosmetics**)

ST **hair coloring** aminoarom developer coupler antioxidant;
dye hair naphthol phenol diketone

IT **Hair** preparations
(**dyes**; **hair coloring** compns. containing aminoarom. developers, couplers and antioxidants)

IT Antioxidants
Coupling agents
(**hair coloring** compns. containing aminoarom. developers, couplers and antioxidants)

IT Phenols, biological studies
Thiols (organic), biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**hair coloring** compns. containing aminoarom. developers, couplers and antioxidants)

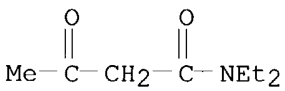
IT Phenols, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(naphthols; **hair coloring** compns. containing aminoarom. developers, couplers and antioxidants)

IT 50-81-7, Ascorbic acid, biological studies 68-11-1, Thioglycolic acid, biological studies 89-25-8 89-65-6, Erythorbic acid 90-15-3, α-Naphthol 92-09-1 92-65-9 121-79-9, n-Propyl gallate 123-31-9, Hydroquinone, biological studies 137-44-0D, derivs. 959-66-0 **2235-46-3**, N,N-Diethylacetoacetamide 7631-90-5, Sodium bisulfite 7681-57-4, Sodium metabisulfite 7775-14-6, Sodium dithionite 216487-35-3
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**hair coloring** compns. containing aminoarom. developers, couplers and antioxidants)

IT **2235-46-3**, N,N-Diethylacetoacetamide
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**hair coloring** compns. containing aminoarom. developers, couplers and antioxidants)

RN 2235-46-3 HCAPLUS

CN Butanamide, N,N-diethyl-3-oxo- (9CI) (CA INDEX NAME)



$Me-C(=O)-CH_2-C(=O)-NEt_2$

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RE.CNT  5     THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24  ANSWER 49 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   1998:776636  HCAPLUS
DN   130:29049
TI   Hair coloring compositions and their use
IN   Pratt, Dominic
PA   The Procter & Gamble Co., USA
SO   PCT Int. Appl., 77 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 5
     PATENT NO.          KIND  DATE           APPLICATION NO.  DATE
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PI   WO 9852521          A1    19981126       WO 1998-US10499  19980522
         W:  AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
             DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG,
             KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX,
             NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,
             UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
             FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
             CM, GA, GN, ML, MR, NE, SN, TD, TG
     ZA 9804327          A     19981130       ZA 1998-4327     19980521
     ZA 9804328          A     19981130       ZA 1998-4328     19980521
     ZA 9804323          A     19991116       ZA 1998-4323     19980521
     AU 9875910          A1    19981211       AU 1998-75910    19980522
     EP 1006990          A1    20000614       EP 1998-923676   19980522
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI
     BR 9809464          A     20000620       BR 1998-9464     19980522
     JP 2001504862       T2    20010410       JP 1998-550678   19980522
     MX 9910825          A     20000430       MX 1999-10825    19991123
     US 2002035758       A1    20020328       US 2001-974254   20011010
     US 2002035759       A1    20020328       US 2001-974293   20011010
PRAI GB 1997-10754       A     19970523
     GB 1997-10756       A     19970523
     GB 1997-10757       A     19970523
     GB 1997-10759       A     19970523
     GB 1997-10761       A     19970523
     WO 1998-US10499     W     19980522
     US 1999-424372      A1    19991122
     US 1999-424477      A1    19991123
OS   MARPAT 130:29049
AB   Hair coloring compns. which are of reduced harshness
     to skin and hair are provided which comprise: (i) one or more developers
     selected from aminoarom. systems capable of being oxidized and thereafter
     undergoing a single electrophilic attack, and (ii) one or more couplers
     selected from (A) phenols and naphthols having an active leaving group in
     the para position relative to the hydroxy group, (B) 1,3-diketone derivs.
     having an active leaving group, or (C) pyrazolone derivs. having an active
     leaving group, such that in the presence of an oxidizing agent the or each
     developer reacts with the or each coupler substantially only at the
     position having the active leaving group, and (iii) an inorg. peroxygen
     agent in an amount of from about 0.0001 to about 0.05 mol per 100 g of
     composition  Alternative compns. may contain higher levels of oxidizing
     agent provided that they have a pH below 6.  A composition was prepared
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containing cetareth 25 1.57, cetyl alc. 2.36, stearyl alc. 2.36, 4,3-H2N(Me)C6H3NEtCH2CH2NHSO2Me 2.1, 1-phenyl-3-methyl-5-pyrazolone 0.22, α-naphthol 0.012, benzoylacetanilide 0.61, EtOH 7.7, H2O2 1.1, Na sulfite 0.4, EDTA 0.4 and water to 100% by weight

IC ICM A61K007-13

CC 62-3 (Essential Oils and **Cosmetics**)

ST **hair dye compn**; pyrazolone **hair dye compn**; diketone **hair dye compn**

IT Ketones, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(diketones; **hair coloring** compns. containing pyrazolone and diketone derivs.)

IT **Hair** preparations
(**dyes**; **hair coloring** compns. containing pyrazolone and diketone derivs.)

IT Oxidizing agents
(**hair coloring** compns. containing pyrazolone and diketone derivs.)

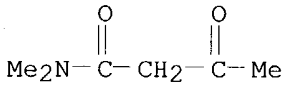
IT Peroxides, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**hair coloring** compns. containing pyrazolone and diketone derivs.)

IT 89-25-8 90-15-3, α-Naphthol 92-09-1 102-01-2, Acetoacetanilide 106-50-3D, p-Phenylenediamine, derivs. 108-26-9, 3H-Pyrazol-3-one, 2,4-dihydro-5-methyl- 959-66-0 1336-21-6, Ammonium hydroxide **2044-64-6**, N,N-Dimethylacetoacetamide 7664-41-7, Ammonia, biological studies 7722-84-1, Hydrogen peroxide, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**hair coloring** compns. containing pyrazolone and diketone derivs.)

IT **2044-64-6**, N,N-Dimethylacetoacetamide
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**hair coloring** compns. containing pyrazolone and diketone derivs.)

RN 2044-64-6 HCAPLUS

CN Butanamide, N,N-dimethyl-3-oxo- (9CI) (CA INDEX NAME)



$Me_2N-\overset{\overset{\displaystyle O}{\|}}{C}-CH_2-\overset{\overset{\displaystyle O}{\|}}{C}-Me$

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 50 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 1998:776634 HCAPLUS

DN 130:29048

TI **Hair coloring compositions** and their use

IN Pratt, Dominic

PA The Procter & Gamble Co., USA

SO PCT Int. Appl., 79 pp.
CODEN: PIXXD2

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DT   Patent
LA   English
FAN.CNT 5
     PATENT NO.        KIND  DATE           APPLICATION NO.   DATE
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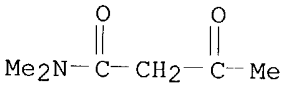
PI   WO 9852519         A1   19981126       WO 1998-US10490   19980522
         W:  AU, BR, CA, CN, JP, KR, MX, US
         RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
             PT, SE
     ZA 9804327         A    19981130       ZA 1998-4327      19980521
     ZA 9804328         A    19981130       ZA 1998-4328      19980521
     ZA 9804323         A    19991116       ZA 1998-4323      19980521
     AU 9875903         A1   19981211       AU 1998-75903     19980522
     EP 1011618         A1   20000628       EP 1998-923669    19980522
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI
     JP 2001504860      T2   20010410       JP 1998-550670    19980522
     MX 9910756         A    20000430       MX 1999-10756     19991122
     US 2002088062      A1   20020711       US 1999-424474    19991123
     US 2002035758      A1   20020328       US 2001-974254    20011010
     US 2002035759      A1   20020328       US 2001-974293    20011010
PRAI GB 1997-10754      A    19970523
     GB 1997-10756      A    19970523
     GB 1997-10757      A    19970523
     GB 1997-10759      A    19970523
     GB 1997-10761      A    19970523
     WO 1998-US10490    W    19980522
     US 1999-424372     A1   19991122
     US 1999-424477     A1   19991123
OS   MARPAT 130:29048
AB   Hair coloring compns. comprising: (i) one or more
     developers selected from amino aromatic systems capable of being oxidized and
     thereafter undergoing a single nucleophilic attack, and (ii) one or more
     couplers selected from (A) (1) naphthols having an active leaving group in
     the para-position relative to the -OH group, or (2) phenols with an active
     leaving group which is hydrogen which is para to the -OH group, (B)
     1,3-diketones, or (C) pyrazolones, such that in the presence of an
     oxidizing agent the or each developer reacts with the or each coupler
     substantially only at the position having the active leaving group.  A
     composition was prepared containing cetareth 25 0.84, cetyl alc. 1.16,
     stearyl alc. 1.16, 4,3-H2N(Me)C6H3NEtCH2CH2NHSO2Me 0.87,
     1-phenyl-3-methyl-5-pyrazolone 0.22, α-naphthol 0.0046,
     benzoylacetanilide 1.86, EtOH 9.3, H2O2 3.0, Na sulfite 0.46, EDTA 0.46
     and water to 100% by weight
IC   ICM  A61K007-13
CC   62-3 (Essential Oils and Cosmetics)
ST   hair coloring compn; pyrazolone hair
     coloring compn; diketone hair coloring
     compn
IT   Ketones, biological studies
     RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
     (Uses)
        (diketones; hair coloring composition containing
        pyrazolone and diketone derivs.)
IT   Hair preparations
        (dyes; hair coloring composition
        containing pyrazolone and diketone derivs.)
IT   Oxidizing agents
        (hair coloring composition containing pyrazolone
        and diketone derivs.)
```

IT Peroxides, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**hair coloring composition** containing pyrazolone and diketone derivs.)

IT 89-25-8 90-15-3, α-Naphthol 92-09-1 92-65-9 959-66-0 **2044-64-6**, N,N-Dimethylacetoacetamide **2235-46-3**, N,N-Diethylacetoacetamide 3096-70-6, 3,5-Dimethyl-4-aminophenol 3964-52-1, 2-Chloro-4-aminophenol 5930-28-9, 2,6-Dichloro-4-aminophenol 7722-84-1, Hydrogen peroxide (H_2O_2), biological studies 17609-80-2, 3-Chloro-4-aminophenol 39183-17-0, 2,3-DiChloro-4-aminophenol 216487-35-3
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**hair coloring composition** containing pyrazolone and diketone derivs.)

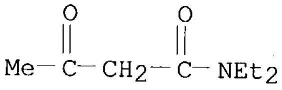
IT **2044-64-6**, N,N-Dimethylacetoacetamide **2235-46-3**, N,N-Diethylacetoacetamide
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(**hair coloring composition** containing pyrazolone and diketone derivs.)

RN 2044-64-6 HCAPLUS
CN Butanamide, N,N-dimethyl-3-oxo- (9CI) (CA INDEX NAME)



$$Me_2N-\overset{O}{\overset{\|}{C}}-CH_2-\overset{O}{\overset{\|}{C}}-Me$$

RN 2235-46-3 HCAPLUS
CN Butanamide, N,N-diethyl-3-oxo- (9CI) (CA INDEX NAME)



$$Me-\overset{O}{\overset{\|}{C}}-CH_2-\overset{O}{\overset{\|}{C}}-NEt_2$$

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L24 ANSWER 51 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1998:293738 HCAPLUS
DN 129:45108
TI Cosmetic **compositions** containing silicones and their use for prevention of discoloration of **dyed keratin** fibers caused by UV irradiation
IN Richard, Herve; Lagrange, Alain; Dubief, Claude; Braida-Valerio, Damarys
PA L'Oreal S. A., Fr.
SO Jpn. Kokai Tokkyo Koho, 14 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 10120536	A2	19980512	JP 1997-280934	19971014

```
     FR 2754446         A1   19980417        FR 1996-12564     19961015
     EP 842965          A1   19980520        EP 1997-402346    19971006
     EP 842965          B1   20010103
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, FI
     AT 198485          E    20010115        AT 1997-402346    19971006
     ES 2155244         T3   20010501        ES 1997-402346    19971006
     PT 842965          T    20010531        PT 1997-402346    19971006
     CA 2216950         AA   19980415        CA 1997-2216950   19971014
     JP 2000103725      A2   20000411        JP 1999-314434    19971014
     BR 9705279         A    19991207        BR 1997-5279      19971015
     US 6635264         B1   20031021        US 2000-698086    20001030
     GR 3035555         T3   20010629        GR 2001-400396    20010309
PRAI FR 1996-12564      A    19961015
     JP 1997-280934     A3   19971014
     US 1997-951048     A1   19971015
GI
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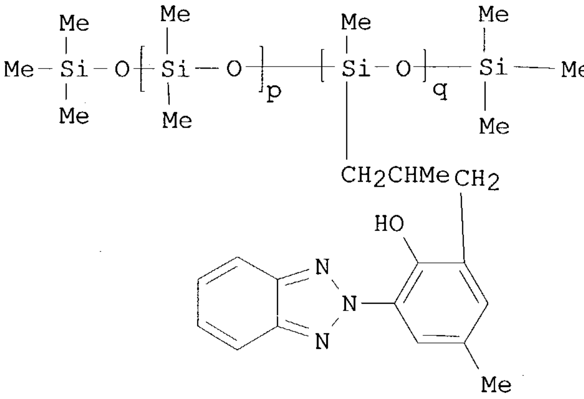


I

AB Title compns. contain organosiloxanes having UV-absorbing group. A conditioner was prepared from benzotriazole-containing siloxane I (p = 0-10, q = 1-10) 1, DC 245 [cyclopentadimethylsiloxane (II)] 15, DC 244 (II) 15, Q 2 1401 (α,ω-dihydroxylated di-Me siloxane) 20, EtOH 5, and H2O to 100 g. An EtOH solution of I prevented discoloration of **dyed hair** exposed to light.

IC ICM A61K007-06
ICS A61K007-44; C08G077-14; C08G077-26; C08L083-08

CC 62-3 (Essential Oils and **Cosmetics**)

ST hair cosmetic UV absorbing silicone; **dyed hair** discoloration prevention silicone; benzotriazole siloxane hair UV protection

IT Polysiloxanes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(Me, benzalmalonate-containing; cosmetics containing UV-absorbing silicones for **dyed hair** discoloration prevention)

IT Polysiloxanes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(Me, benzotriazole-containing; cosmetics containing UV-absorbing silicones for

dyed hair discoloration prevention)

IT Cosmetics
Discoloration prevention agents
Hair preparations
UV stabilizers
(cosmetics containing UV-absorbing silicones for **dyed hair** discoloration prevention)

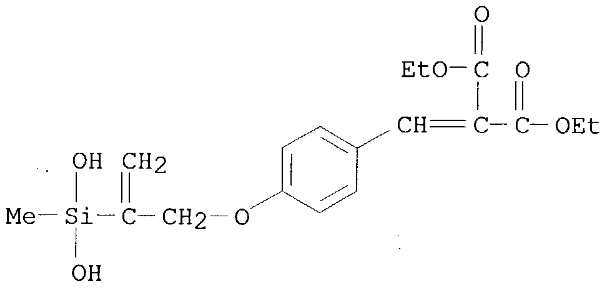
IT **177955-90-7D**, benzalmalonate group-terminated 208391-13-3D, trimethylsilyl-terminated **208391-15-5D**, benzalmalonate group-terminated
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(cosmetics containing UV-absorbing silicones for **dyed hair** discoloration prevention)

IT **177955-90-7D**, benzalmalonate group-terminated **208391-15-5D**, benzalmalonate group-terminated
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(cosmetics containing UV-absorbing silicones for **dyed hair** discoloration prevention)

RN 177955-90-7 HCAPLUS
CN Propanedioic acid, [[4-[[2-(dihydroxymethylsilyl)-2-propenyl]oxy]phenyl]methylene]-, diethyl ester, polymer with dimethylsilanediol (9CI) (CA INDEX NAME)

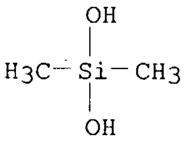
CM 1

CRN 177955-89-4
CMF C18 H24 O7 Si



CM 2

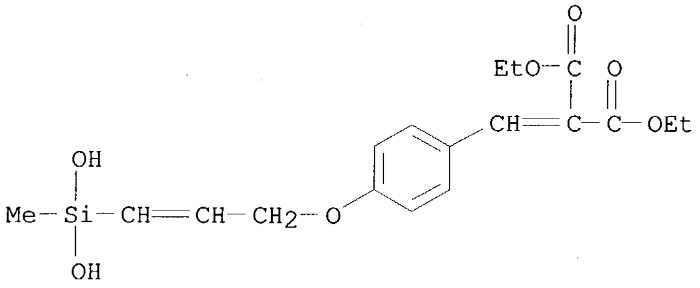
CRN 1066-42-8
CMF C2 H8 O2 Si



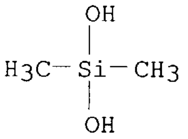
$$\mathrm{H_3C}-\overset{\mathrm{OH}}{\underset{\mathrm{OH}}{\mathrm{Si}}}-\mathrm{CH_3}$$

RN 208391-15-5 HCAPLUS
CN Propanedioic acid, [[4-[[3-(dihydroxymethylsilyl)-2-

```
      propenyl]oxy]phenyl]methylene]-, diethyl ester, polymer with
      dimethylsilanediol (9CI)  (CA INDEX NAME)

      CM   1

      CRN  208391-14-4
      CMF  C18 H24 O7 Si
```



```
      CM   2

      CRN  1066-42-8
      CMF  C2 H8 O2 Si
```



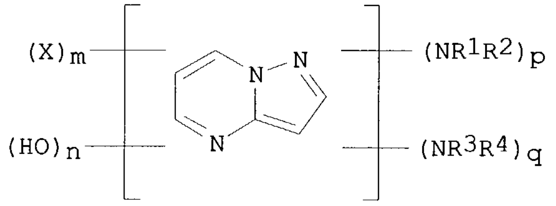
$$H_3C-\overset{\displaystyle OH}{\underset{\displaystyle OH}{Si}}-CH_3$$

```
L24  ANSWER 52 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   1998:42259  HCAPLUS
DN   128:114959
TI   Pyrazolo[1,5-a]pyrimidine derivatives, their preparation, and hair
     dyes containing them
IN   Terranova, Eric; Fadli, Aziz; Lagrange, Alain
PA   L'Oreal, Fr.; Terranova, Eric; Fadli, Aziz; Lagrange, Alain
SO   PCT Int. Appl., 55 pp.
     CODEN: PIXXD2
DT   Patent
LA   French
FAN.CNT 1
     PATENT NO.        KIND  DATE          APPLICATION NO.   DATE
     ---------------   ----  --------      ---------------   --------
PI   WO 9749378         A1   19971231      WO 1997-FR1057    19970612
         W:  AU, BR, CA, CN, JP, KR, MX, US
         RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
     FR 2750048         A1   19971226      FR 1996-7776      19960621
     FR 2750048         B1   19980814
     CA 2222265         AA   19971231      CA 1997-2222265   19970612
     CA 2222265         C    20031021
     AU 9732672         A1   19980114      AU 1997-32672     19970612
     AU 694699          B2   19980723
```

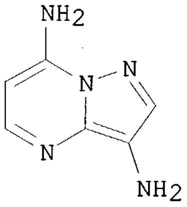
	EP 847271	A1	19980617	EP 1997-928344	19970612
	EP 847271	B1	20020502		
	R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
	CN 1196673	A	19981021	CN 1997-190762	19970612
	BR 9702333	A	19990720	BR 1997-2333	19970612
	JP 3016599	B2	20000306	JP 1998-502421	19970612
	JP 10511428	T2	19981104		
	AT 216871	E	20020515	AT 1997-928344	19970612
	ES 2176750	T3	20021201	ES 1997-928344	19970612
	US 6099593	A	20000808	US 1997-981589	19971231
	JP 2000044827	A2	20000215	JP 1999-228062	19990811
	JP 3236276	B2	20011210		
PRAI	FR 1996-7776	A	19960621		
	JP 1998-502421	A3	19970612		
	WO 1997-FR1057	W	19970612		

OS MARPAT 128:114959

GI



I



II

AB The invention discloses novel compns. for oxidation **dyeing** of **keratin** fibers, comprising at least one pyrazolo[1,5-a]pyrimidine derivative I [R1-R4 = H, alkyl, aryl, (poly)hydroxyalkyl, alkoxyalkyl, (di)(alkyl)aminoalkyl, (di)(hydroxyalkyl)aminoalkyl, etc.; X = H, alkyl, aryl, (poly)hydroxyalkyl, (di)(alkyl)aminoalkyl, halo, CO2H, SO3H, etc.; m = 0-3; n, p, q = 0-1; with provisos]. Also disclosed are dyeing methods using the compns., novel pyrazolo[1,5-a]pyrimidine derivs., and their preparation For instance, 4-nitro-2H-pyrazol-3-ylamine-HCl was cyclized with β-ethoxyacrylonitrile in refluxing AcOH (93%), and the nitro group in the product was reduced to amino by cyclohexene and Pd/C in refluxing AcOH, followed by treatment with refluxing concentrated HCl, to give 60% title compound II.2HCl. (III). When used in combination with m-aminophenol (coupler) in a 2:1 ratio in an H2O2-activated **dyeing composition**, III **dyed** natural gray **hair** samples to a coppery maroon **color**.

IC ICM A61K007-13
ICS C07D487-04

CC 28-16 (Heterocyclic Compounds (More Than One Hetero Atom))
Section cross-reference(s): 41, **62**

ST pyrazolopyrimidine prepn **hair dye**

IT **Hair** preparations
(**dyes**; preparation and formulation of pyrazolopyrimidine derivs. as **hair dyes**)

IT 201599-37-3, 4,5,6,7-Tetrahydropyrazolo[1,5-a]pyrimidin-3-ylamine trihydrochloride
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(compns. containing as base; preparation and formulation of pyrazolopyrimidine derivs. as **hair dyes**)

IT 108-46-3, 1,3-Benzenediol, biological studies 591-27-5, m-Aminophenol 608-25-3, 2,6-Dihydroxytoluene 2380-86-1, 6-Hydroxyindole 2380-94-1, 4-Hydroxyindole 2835-95-2, 2-Methyl-5-aminophenol 26021-57-8, 6-Hydroxybenzomorpholine 26455-21-0, 3-Ureido-1-(dimethylamino)benzene 55302-96-0, 2-Methyl-5-[(2-hydroxyethyl)amino]phenol 70643-19-5, 2-(2,4-Diaminophenoxy)ethanol 201599-36-2, 3-Ureidoaniline dihydrochloride

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(compns. containing as coupler; preparation and formulation of pyrazolopyrimidine derivs. as **hair dyes**)

IT 201599-28-2P, 3-Nitropyrazolo[1,5-a]pyrimidin-7-ylamine hydrochloride 201599-29-3P, 3-Nitropyrazolo[1,5-a]pyrimidin-7-ol 201599-30-6P, 3-Nitro-5-methylpyrazolo[1,5-a]pyrimidin-7-ol 201599-31-7P, 7-Chloro-5-methyl-3-nitropyrazolo[1,5-a]pyrimidine 201599-32-8P, 7-[(β-Hydroxyethyl)amino]-5-methyl-3-nitropyrazolo[1,5-a]pyrimidine 201599-33-9P, 2-Methylpyrazolo[1,5-a]pyrimidin-7-ylamine hydrochloride 201599-34-0P, 2-Methyl-3-nitropyrazolo[1,5-a]pyrimidin-7-ylamine

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate; preparation and formulation of pyrazolopyrimidine derivs. as **hair dyes**)

IT 46160-00-3, 5,6-Dimethylpyrazolo[1,5-a]pyrimidine-3,7-diamine 201599-26-0, 2,6-Dimethylpyrazolo[1,5-a]pyrimidine-3,7-diamine 201599-27-1, 2,5,N7,N7-Tetramethylpyrazolo[1,5-a]pyrimidine-3,7-diamine

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(preparation and formulation of pyrazolopyrimidine derivs. as **hair dyes**)

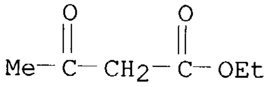
IT 201599-07-7P, Pyrazolo[1,5-a]pyrimidine-3,7-diamine dihydrochloride 201599-08-8P, 3-Aminopyrazolo[1,5-a]pyrimidin-7-ol hydrochloride 201599-09-9P, 3-Amino-5-methylpyrazolo[1,5-a]pyrimidin-7-ol hydrochloride 201599-10-2P, 3-Amino-7-[(β-hydroxyethyl)amino]-5-methylpyrazolo[1,5-a]pyrimidine dihydrochloride 201599-11-3P, 2-Methylpyrazolo[1,5-a]pyrimidine-3,7-diamine dihydrochloride 201599-12-4P, Pyrazolo[1,5-a]pyrimidine-3,7-diamine 201599-14-6P, 2-Methylpyrazolo[1,5-a]pyrimidine-3,7-diamine 201599-15-7P, 2,5-Dimethylpyrazolo[1,5-a]pyrimidine-3,7-diamine 201599-16-8P, Pyrazolo[1,5-a]pyrimidine-3,5-diamine 201599-17-9P, 2,7-Dimethylpyrazolo[1,5-a]pyrimidine-3,5-diamine 201599-18-0P, 3-Aminopyrazolo[1,5-a]pyrimidin-7-ol 201599-19-1P, 3-Amino-5-methylpyrazolo[1,5-a]pyrimidin-7-ol 201599-20-4P, 3-Aminopyrazolo[1,5-a]pyrimidin-5-ol 201599-21-5P, 2-[(3-Aminopyrazolo[1,5-a]pyrimidin-7-yl)amino]ethanol 201599-22-6P, 3-Amino-7-[(β-hydroxyethyl)amino]-5-methylpyrazolo[1,5-a]pyrimidine 201599-23-7P, 2-[(7-Aminopyrazolo[1,5-a]pyrimidin-3-yl)amino]ethanol 201599-24-8P, 2-[(3-Aminopyrazolo[1,5-a]pyrimidin-7-yl)(2-hydroxyethyl)amino]ethanol 201599-25-9P, 2-[(7-Aminopyrazolo[1,5-a]pyrimidin-3-yl)(2-hydroxyethyl)amino]ethanol

RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation and formulation of pyrazolopyrimidine derivs. as **hair dyes**)

IT **141-97-9**, Ethyl acetoacetate 31230-17-8, 3-Amino-5-methylpyrazole 34846-90-7, Methyl 3-methoxyacrylate 61310-53-0, β-Ethoxyacrylonitrile 201599-35-1, 4-Nitro-2H-pyrazol-3-ylamine hydrochloride

```
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (starting material; preparation and formulation of pyrazolopyrimidine
        derivs. as hair dyes)
IT   141-97-9, Ethyl acetoacetate
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (starting material; preparation and formulation of pyrazolopyrimidine
        derivs. as hair dyes)
RN   141-97-9  HCAPLUS
CN   Butanoic acid, 3-oxo-, ethyl ester (9CI)  (CA INDEX NAME)
```



$Me-C(=O)-CH_2-C(=O)-OEt$

```
L24  ANSWER 53 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   1997:366271  HCAPLUS
DN   126:334201
TI   Hair preparation comprising a silicone-grafted polymer and a fatty-chain
     amide
IN   Dubief, Claude; Cauwet-Martin, Daniele; Dupuis, Christine
PA   L'Oreal S. A., Fr.; Dubief, Claude; Cauwet-Martin, Daniele; Dupuis,
     Christine
SO   PCT Int. Appl., 39 pp.
     CODEN: PIXXD2
DT   Patent
LA   French
FAN.CNT 1
     PATENT NO.        KIND  DATE          APPLICATION NO.   DATE
     ---------------   ----  --------      ---------------   --------
PI   WO 9712587         A1   19970410      WO 1996-FR1437    19960916
         W:  BR, CA, JP, KR, PL, RU, US
         RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
     FR 2739284         A1   19970404      FR 1995-11484     19950929
     FR 2739284         B1   19971107
     CA 2223000         AA   19970410      CA 1996-2223000   19960916
     EP 862405          A1   19980909      EP 1996-931855    19960916
     EP 862405          B1   20011121
         R:  AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE
     BR 9610760         A    19990713      BR 1996-10760     19960916
     JP 3053649         B2   20000619      JP 1997-514009    19960916
     JP 10512289        T2   19981124
     RU 2168324         C2   20010610      RU 1997-121885    19960916
     AT 209025          E    20011215      AT 1996-931855    19960916
     ES 2168507         T3   20020616      ES 1996-931855    19960916
     PL 186015          B1   20030930      PL 1996-324203    19960916
     US 6165444         A    20001226      US 1997-983335    19971230
PRAI FR 1995-11484      A    19950929
     WO 1996-FR1437     W    19960916
AB   A cosmetic or dermatol. composition for treating keratinous material,
     particularly human hair, comprise a cosmetically or dermatol. acceptable
     medium containing at least one silicone-grafted polymer with a polysiloxane
     portion and a portion consisting of a non-silicone organic chain, wherein one
     of the two portions constitutes the main polymeric chain while the other
     is grafted onto said main chain (Markush structure), and at least one
     selected fatty-chain amide.  Such compns. are particularly suitable for
     use as rinsable or non-rinsable products for washing and conditioning
```

hair, hair setting or hair styling. A hair spray contained N-oleoyldihydrosphingosine 0.5, a silicone-grafted polymer comprising 3-thiomethacrylic acid group 2, aminomethylpropanol q.s, and ethanol 100 g.

IC ICM A61K007-06
ICS A61K007-48

CC 62-3 (Essential Oils and **Cosmetics**)

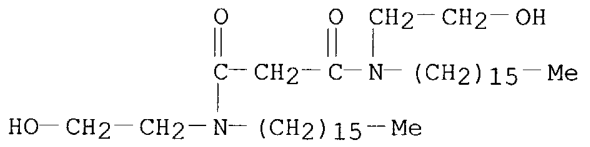
IT **Hair** preparations
(**dyes**; **hair** preparation comprising silicone-grafted polymer and fatty-chain amide)

IT 2304-80-5 5966-29-0 34227-66-2 34227-83-3 110483-07-3 147492-65-7 **149591-38-8** 160065-31-6
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(hair preparation comprising silicone-grafted polymer and fatty-chain amide)

IT **149591-38-8**
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(hair preparation comprising silicone-grafted polymer and fatty-chain amide)

RN 149591-38-8 HCAPLUS

CN Propanediamide, N,N'-dihexadecyl-N,N'-bis(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



L24 ANSWER 54 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 1994:173103 HCAPLUS

DN 120:173103

TI **Hair dye composition** containing 2-substituted amino-5-alkylphenol derivatives

IN Ogawa, Masahiko; Tagami, Hidetoshi; Yoshihara, Toru; Kasawe, Jiro; Kiyomine, Yakira; Tamura, Tadashi; Nishizawa, Yoshinori; Matsunaga, Kenichi

PA Kao Corp., Japan

SO Eur. Pat. Appl., 23 pp.
CODEN: EPXXDW

DT Patent

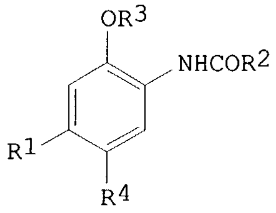
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 579204	A2	19940119	EP 1993-111294	19930714
	EP 579204	A3	19941012		
	R: DE, FR, GB				
	JP 06080542	A2	19940322	JP 1993-161053	19930630
	JP 2521636	B2	19960807		
	US 5334225	A	19940802	US 1993-90963	19930713
PRAI	JP 1992-187691		19920715		

OS MARPAT 120:173103

GI



I

AB A **hair dye composition** comprise a developer and a coupler, wherein the coupler is a 2-substituted amino-5-alkylphenol derivative (I; R1=C1-4 alkyl; R2=H, C1-4; R3=H, C2-5 acyl; R4=H, halogen, C1-4 alkoxy). Et formate and 6-amino-m-cresol were reacted in presence of NaOCH3 under N to obtain N-(2-hydroxy-4-methylphenyl)formamide (II). To 100g of a base **composition** was added II 0.005 and p-phenylene diamine 0.005 mol and the pH was adjusted to 9.5. To 100 g of above **compn** . was added same weight of 6% H2O2 to obtain a **hair dye composition** which produced blue tone when applied to hair.

IC ICM A61K007-13
ICS D06P003-08; D06P003-30

CC 62-3 (Essential Oils and **Cosmetics**)
Section cross-reference(s): 25

ST **hair dye compn** aminoalkylphenol deriv;
phenol aminoalkyl deriv **hair dye compn**;
formamide hydroxymethylphenyl **hair dye compn**

IT **Hair** preparations
(**dyes**, substituted aminoalkylphenol derivs. in)

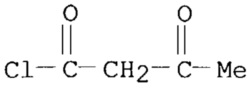
IT 13429-10-2P 29053-94-9P 63467-38-9P 102014-97-1P 103854-30-4P
105295-42-9P 105296-19-3P 105701-22-2P 119838-05-0P 153505-94-3P
153505-95-4P 153505-96-5P 153505-97-6P 153505-98-7P 153505-99-8P
153506-00-4P 153506-01-5P 153506-02-6P 153506-03-7P 153506-04-8P
153506-05-9P 153506-10-6P 153506-14-0P
RL: PREP (Preparation)
(preparation of, as coupler for **hair dye** prepns.)

IT 57-13-6, Urea, biological studies 79-04-9, Chloroacetyl chloride
79-22-1, Methyl chloroformate 97-64-3, Ethyl lactate 108-24-7, Acetic anhydride 108-30-5, Succinic anhydride, biological studies 109-94-4, Ethyl formate 123-62-6, Propionic anhydride 141-75-3, Butanoyl chloride 3303-84-2 4530-20-5 4635-59-0, 4-Chlorobutanoyl chloride 38870-89-2, Methoxyacetyl chloride **39098-85-6**, Acetoacetyl chloride
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with aminocresol)

IT **39098-85-6**, Acetoacetyl chloride
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with aminocresol)

RN 39098-85-6 HCAPLUS

CN Butanoyl chloride, 3-oxo- (9CI) (CA INDEX NAME)



$Cl-C(=O)-CH_2-C(=O)-Me$

L24 ANSWER 55 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 1991:566372 HCAPLUS
DN 115:166372
TI **Hair dyeing compositions** containing metals
IN Mizumaki, Katsumi
PA Japan
SO Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 03017008	A2	19910125	JP 1989-150853	19890615
PRAI	JP 1989-150853		19890615		

AB **Hair dyeing** compns. contain Co, Ni, Cr, and/or Mn and (i) substances containing sulfur ion, SH-, colloidal S, and/or solubilized S, (ii) phenolic OH-containing organic compds. (except pyrogallol-Co and -Ni combination), (iii) CO_2H-containing organic compds., and/or (i.v.) natural substances. Hair was treated with an aqueous solution (100 mL) containing $CoSO_4.7H_2O$ 2.50, $CuSO_4.5H_2O$ 0.08, $NiSO_4$ 0.45, and 28% ammonia 8.50 g, left for 20 min, and sprayed with an aqueous solution (100 mL) containing 5.0 g $(NH_4)_2S$ and tannic acid to develop dark brown color.

IC ICM A61K007-13
CC 62-3 (Essential Oils and **Cosmetics**)
ST **hair dye** metal tannic acid; sulfur phenol metal **dye hair**; carboxylate metal **dye hair**

IT Cork tree (Phellodendron)
Rhubarb
Sage
Swertia japonica
(extract of, **hair dyeing** compns. containing metals and)

IT Gambier
Carboxylic acids, biological studies
Phenols, biological studies
Tannins
RL: BIOL (Biological study)
(**hair dyeing** compns. containing metals and)

IT Cocoa (Theobroma cacao)
Corn
(pigment of, **hair dyeing** compns. containing metals and)

IT Scutellaria baicalensis
(root, extract of, **hair dyeing** compns. containing metals and)

IT Pharmaceutical natural products
RL: BIOL (Biological study)
(Wubeizhi, **hair dyeing** compns. containing metals and)

IT **Hair** preparations
(**dyes**, containing metals and sulfur compds. and/or phenols and/or carboxylic acids)

IT Beet
(red, pigment of, **hair dyeing** compns. containing metals and)

IT 7704-34-9, Sulfur, uses and miscellaneous
RL: USES (Uses)
(colloidal, **hair dyeing** compns. containing metals and)

IT 87-66-1, Pyrogallol 88-89-1, Picric acid 90-15-3, α-Naphthol 96-91-3, Picramic acid 118-92-3, Anthranilic acid 119-34-6, 4-Amino-2-nitrophenol 134-03-2, Sodium ascorbate 137-09-7, Amidol

148-24-3, 8-Hydroxyquinoline, uses and miscellaneous 149-91-7, Gallic acid, biological studies 153-18-4, Rutin 154-23-4, Catechol 275-51-4, Azulene **458-37-7**, Curcumin 475-25-2, Hematein 499-44-5, Hinokitiol 615-05-4 860-22-0, Indigo carmine 1260-17-9, Carminic acid 1319-77-3, Cresol 1343-78-8, Cochineal (**dye**) 1393-63-1, Annatto (**dye**) 2086-83-1, Berberine 8005-33-2, C.I. Natural black 1 11006-34-1 12135-76-1, Ammonium sulfide 18496-25-8, Sulfide 32627-52-4, Iron chlorophyllin sodium 35421-08-0, 4-Chloromethylphenol 38886-21-4 50-81-7, Ascorbic acid, uses and miscellaneous 68-11-1, Thioglycolic acid, biological studies
RL: BIOL (Biological study)
(**hair dyeing** compns. containing metals and)

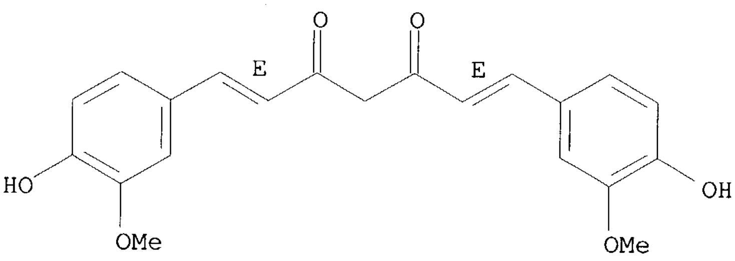
IT 71-48-7, Cobalt acetate 5931-89-5, Cobalt acetate 7785-87-7, Manganese sulfate [MnSO4] 7786-81-4, Nickel sulfate 10101-53-8, Chromium sulfate [Cr2(SO4)3] 10124-43-3, Cobalt sulfate (CoSO4)
RL: BIOL (Biological study)
(**hair dyeing** compns. containing sulfur compds. and phenols and carboxylic acids and)

IT **458-37-7**, Curcumin
RL: BIOL (Biological study)
(**hair dyeing** compns. containing metals and)

RN 458-37-7 HCAPLUS

CN 1,6-Heptadiene-3,5-dione, 1,7-bis(4-hydroxy-3-methoxyphenyl)-, (1E,6E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



L24 ANSWER 56 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1989:520606 HCAPLUS
DN 111:120606
TI **Hair dyes** containing resins as fixing agents
IN Kubota, Ikuro; Narasaki, Kanji
PA Mitsubishi Petrochemical Co., Ltd., Japan; Diachemco K. K.
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

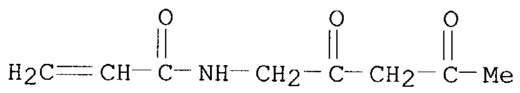
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63218613	A2	19880912	JP 1987-51734	19870306
PRAI	JP 1987-51734		19870306		

AB A temporary **hair dye composition** contains a resin adhesive for pigments. It consists of a polymer (average mol. weight 5000-300,000, acidic monomer ≥5% by weight) 0.5-15.0, pigments 0.1-5.0, and H2O and/or a hydrophilic solvent 80-99.4% by weight Thus, an acrylic copolymer was prepared, and its 30% EtOH solution (40 parts) was mixed with carbon black 10 and EtOH 50 parts and packed in an aerosol formulation. The dye is resistant to rain, perspiration, etc., but readily washed off with shampoos.

IC ICM A61K007-13
CC 62-3 (Essential Oils and **Cosmetics**)
ST **hair dye** acrylic polymer fixing agent
IT Acrylic polymers, biological studies
RL: BIOL (Biological study)
(**hair dyes** containing)
IT **Hair** preparations
(**dyes**, acrylic polymers as fixing agents in)
IT **122563-87-5** 122563-88-6 122563-89-7 122563-90-0
RL: BIOL (Biological study)
(**hair dyes** containing)
IT **122563-87-5**
RL: BIOL (Biological study)
(**hair dyes** containing)
RN 122563-87-5 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2-propenoate, butyl 2-propenoate, N-(2,4-dioxopentyl)-2-propenamide, methyl 2-methyl-2-propenoate, 2-propenoic acid and tridecyl 2-methyl-2-propenoate (9CI) (CA INDEX NAME)

CM 1

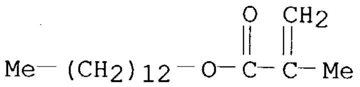
CRN 122563-86-4
CMF C8 H11 N O3



$H_2C{=}CH{-}\overset{\overset{O}{\|}}{C}{-}NH{-}CH_2{-}\overset{\overset{O}{\|}}{C}{-}CH_2{-}\overset{\overset{O}{\|}}{C}{-}Me$

CM 2

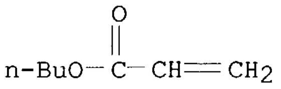
CRN 2495-25-2
CMF C17 H32 O2



$Me{-}(CH_2)_{12}{-}O{-}\overset{\overset{O}{\|}}{C}{-}\overset{\overset{CH_2}{\|}}{C}{-}Me$

CM 3

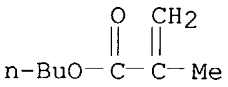
CRN 141-32-2
CMF C7 H12 O2



$n\text{-}BuO{-}\overset{\overset{O}{\|}}{C}{-}CH{=}CH_2$

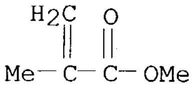
CM 4

CRN 97-88-1
CMF C8 H14 O2


$n\text{-BuO}-\overset{\displaystyle O}{\overset{\|}{C}}-\overset{\displaystyle CH_2}{\overset{\|}{C}}-\text{Me}$

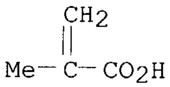
CM 5

CRN 80-62-6
CMF C5 H8 O2


$\text{Me}-\overset{\displaystyle H_2C}{\overset{\|}{C}}-\overset{\displaystyle O}{\overset{\|}{C}}-\text{OMe}$

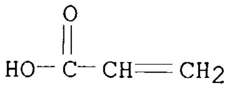
CM 6

CRN 79-41-4
CMF C4 H6 O2


$\text{Me}-\overset{\displaystyle CH_2}{\overset{\|}{C}}-CO_2H$

CM 7

CRN 79-10-7
CMF C3 H4 O2


$\text{HO}-\overset{\displaystyle O}{\overset{\|}{C}}-CH{=}CH_2$

L24 ANSWER 57 OF 60 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1989:520605 HCAPLUS
DN 111:120605
TI Aerosols containing **hair dyes** and polymers as carriers
IN Kubota, Ikuro; Narasaki, Kanji
PA Mitsubishi Petrochemical Co., Ltd., Japan; Diachemco K. K.
SO Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 63218614	A2	19880912	JP 1987-51735	19870306
	JP 2519235	B2	19960731		
PRAI	JP 1987-51735		19870306		

AB A temporary **hair dye** aerosol comprises a polymer (number average mol. weight 5000-300,000, acidic monomer ≥5%) 0.5-15.0, NH_3 or volatile amine with an amount sufficient to neutralize the polymer, a dye 0.1-5.0, H_2O or hydrophilic solvent 55-94.4, and a propellant 5-25% by weight The hairs dyed with this **composition** are water-resistant, yet the dye is readily washed off with a shampoo. Thus, Me methacrylate 10, iso-Bu methacrylate 20, lauryl methacrylate 20, Bu acrylate 20, diacetone acrylamide 5, methacrylic acid 20, acrylic acid 5, EtOH 80, and Bz_2O_2 1 part by weight were mixed, heated to 80° and copolymd. for 6 h. The product was treated with EtOH to give a 30% solution This solution 40, carbon black 10, and EtOH 50 parts were mixed, neutralized by amines, and packed in an aerosol container with 12 parts Freon gas (Freon 11/Freon 114 = 50/50).

IC ICM A61K007-13

CC 62-3 (Essential Oils and **Cosmetics**)

ST **hair dye** polymer aerosol

IT **Hair** preparations
(**dyes**, aerosols, polymers in)

IT **122563-91-1** 122563-92-2 122563-93-3 122582-71-2
RL: BIOL (Biological study)
(**hair dye** aerosol containing)

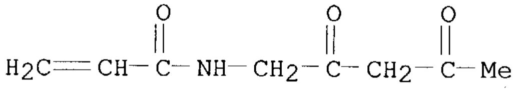
IT **122563-91-1**
RL: BIOL (Biological study)
(**hair dye** aerosol containing)

RN 122563-91-1 HCAPLUS

CN 2-Propenoic acid, 2-methyl-, polymer with butyl 2-propenoate, N-(2,4-dioxopentyl)-2-propenamide, dodecyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate, 2-methylpropyl-2-methyl-2-propenoate and 2-propenoic acid (9CI) (CA INDEX NAME)

CM 1

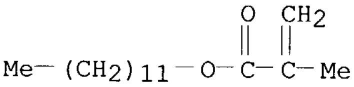
CRN 122563-86-4
CMF C8 H11 N O3



$$H_2C{=}CH-\overset{\overset{O}{\|}}{C}-NH-CH_2-\overset{\overset{O}{\|}}{C}-CH_2-\overset{\overset{O}{\|}}{C}-Me$$

CM 2

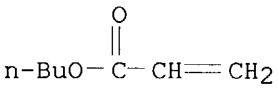
CRN 142-90-5
CMF C16 H30 O2



$$Me-(CH_2)_{11}-O-\overset{\overset{O}{\|}}{C}-\overset{\overset{CH_2}{\|}}{C}-Me$$

CM 3

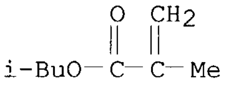
CRN 141-32-2
CMF C7 H12 O2



$\text{n-BuO}-\overset{\overset{\displaystyle O}{\|}}{C}-CH{=}CH_2$

CM 4

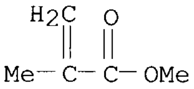
CRN 97-86-9
CMF C8 H14 O2



$\text{i-BuO}-\overset{\overset{\displaystyle O}{\|}}{C}-\overset{\overset{\displaystyle CH_2}{\|}}{C}-Me$

CM 5

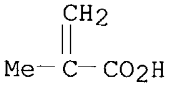
CRN 80-62-6
CMF C5 H8 O2



$Me-\overset{\overset{\displaystyle H_2C}{\|}}{C}-\overset{\overset{\displaystyle O}{\|}}{C}-OMe$

CM 6

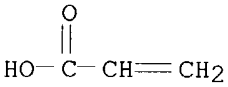
CRN 79-41-4
CMF C4 H6 O2



$Me-\overset{\overset{\displaystyle CH_2}{\|}}{C}-CO_2H$

CM 7

CRN 79-10-7
CMF C3 H4 O2



$HO-\overset{\overset{\displaystyle O}{\|}}{C}-CH{=}CH_2$

```
L24  ANSWER 58 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN   1987:583331  HCAPLUS
DN   107:183331
TI   Hair preparations containing reducing agents, metallic salts, dyes, and
     oxidizing agents
IN   Kojima, Hiromasa; Takenaka, Jiro
PA   Sanshido Seiyaku Co., Ltd., Japan
SO   Jpn. Kokai Tokkyo Koho, 14 pp.
     CODEN: JKXXAF
DT   Patent
LA   Japanese
FAN.CNT 1
     PATENT NO.        KIND  DATE          APPLICATION NO.  DATE
     ---------------   ----  --------      ---------------  --------
PI   JP 62132814        A2   19870616      JP 1985-273751   19851205
     JP 07116014        B4   19951213
PRAI JP 1985-273751          19851205
AB   Safe and long-lasting hair wave-setting compns. contain the following 4
     components: (1) a reducing agent such as thioglycolate and cysteine, (2) a
     metallic salt, (3) an agent which reacts with the metal salt to produce a
     color, and (4) an oxidizing agent such as bromate, perborate, etc.  The
     compns. produce hair waves and at the same time dye the
     hair.  Thus, one composition consists of ammonium
     thioglycolate (a reducing agent), iron sulfate (FeSO4) (a metal salt), Pr
     gallate (a coloring agent), and K2B2O4 (an oxidizing agent).  This
     composition colored the hair dark brown.
IC   ICM  A61K007-09
     ICS  A61K007-13
CC   62-3 (Essential Oils and Cosmetics)
ST   hair dye salt oxidizer reducer
IT   Hair preparations
        (wave-setting, dyes and metallic salts and oxidizing and
        reducing agents in)
IT   58-56-0, Pyridoxine hydrochloride   65-85-0, Benzoic acid, uses and
     miscellaneous   69-72-7, uses and miscellaneous   120-80-9, Catechol, uses
     and miscellaneous   121-79-9 141-97-9, Ethyl acetoacetate
     299-28-5, Calcium gluconate   499-44-5, Hinokitiol   5421-46-5, Ammonium
     thioglycolate   7720-78-7, Ferrous sulfate   7722-84-1, Hydrogen peroxide,
     uses and miscellaneous   7757-83-7, Sodium sulfite   7758-98-7, uses and
     miscellaneous   7772-98-7, Sodium thiosulfate   10192-30-0, Ammonium
     hydrogen sulfite   11138-47-9, Sodium perborate   12712-38-8, Potassium
     borate   33869-21-5, Resorcein
     RL: BIOL (Biological study)
        (hair wave-setting prepns. containing)
IT   141-97-9, Ethyl acetoacetate
     RL: BIOL (Biological study)
        (hair wave-setting prepns. containing)
RN   141-97-9  HCAPLUS
CN   Butanoic acid, 3-oxo-, ethyl ester (9CI)  (CA INDEX NAME)
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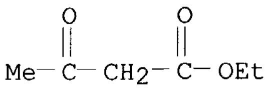

$Me-\overset{O}{\overset{\|}{C}}-CH_2-\overset{O}{\overset{\|}{C}}-OEt$

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L24  ANSWER 59 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
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AN      1985:583378  HCAPLUS
DN      103:183378
TI      Hair dye composition containing a mixture of
        non-exhausted vegetable powder, a direct dye of a natural origin, and a
        diluent
IN      Rosenbaum, Gaorges; Cotteret, Jean; Grollier, Jean Francois
PA      Fr.
SO      Can., 23 pp.
        CODEN: CAXXA4
DT      Patent
LA      French
FAN.CNT 1
        PATENT NO.         KIND  DATE            APPLICATION NO.   DATE
        ---------------    ----  --------        ---------------   --------
PI      CA 1179269          A1   19841211        CA 1982-397260    19820226
        FR 2500748          A1   19820903        FR 1981-3946      19810227
        FR 2500748          B1   19840803
        BE 892298           A1   19820826        BE 1982-207426    19820226
        GB 2093868          A    19820908        GB 1982-5831      19820226
        GB 2093868          B2   19840620
        DE 3207037          A1   19820916        DE 1982-3207037   19820226
        JP 57158716         A2   19820930        JP 1982-30436     19820226
        CH 651470           A    19850930        CH 1982-1206      19820226
        US 5447538          A    19950905        US 1992-951195    19920928
PRAI    FR 1981-3946        A    19810227
        US 1982-352103      B1   19820225
        US 1983-541685      B1   19831013
        US 1987-50423       B1   19870518
        US 1991-782128      B2   19911025
AB      Hair dyes are made of a nonextd. plant powder (95% of
        the particles <180 µ), a natural dye (maclurin  [519-34-6], brasilin
        [474-07-7], etc.) and a solid diluting agent.  The diluting agent should have a
        viscosity <150 cP in 40% solution of dispersion.  Thus, a composition is
        given, containing chestnut leaf powder 40, henna leaf powder 15, Unipectin
        (carob polysaccharide) 3, lawsone  [83-72-7] 1, citric acid 4, and
        fat-free milk powder to 100 g.  The composition is mixed with 3.5
        times its weight of water, prior to use.
IC      A61K007-13
CC      62-3 (Essential Oils and Cosmetics)
ST      hair dye plant powder natural
IT      Alder
        Cinchona
           (bark powder, hair dye containing)
IT      Carnation
        Chamomile
        Hibiscus
           (flower powder, hair dye containing)
IT      Chestnut
        Horse chestnut
        Lawsonia inermis
        Walnut
           (leaf powder, hair dye containing)
IT      Anise
        Asperula
        Barley
        Basil
        Carthamus
        Cinnamon (horticultural common name)
        Corn
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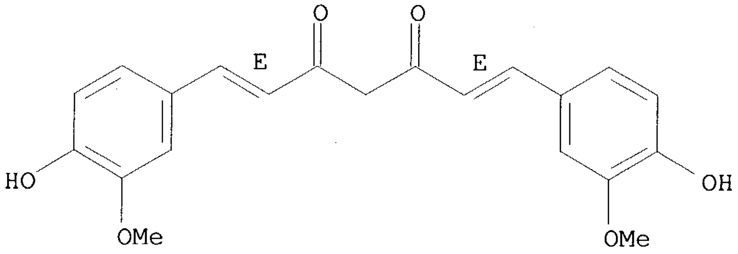
```
       Goldenrod
       Hawthorn
       Lichen
       Logwood
       Marjoram
       Matricaria
       Reseda luteola
       Rye
       Sandalwood
       Soapwort
       Thyme
       Wheat
          (powder, hair dye containing)
IT     Curcuma
       Lawsonia inermis
       Madder (Rubia)
       Licorice
       RL: BIOL (Biological study)
          (root powder, hair dye containing)
IT     Hair preparations
          (dyes, natural dyes and plant powders for)
IT     Plantain
          (P. psyllium, powder, hair dye containing)
IT     72-48-0    81-54-9    83-72-7    85-66-5    129-43-1    130-15-4    139-85-5
       458-37-7    474-07-7    476-41-5    478-43-3    481-39-0    481-72-1
       481-74-3    482-89-3    517-28-2    519-34-6    569-77-7    605-32-3
       1260-17-9    18499-92-8
       RL: BIOL (Biological study)
          (hair dye containing)
IT     1393-63-1
       RL: BIOL (Biological study)
          (seed powder, hair dye containing)
IT     458-37-7
       RL: BIOL (Biological study)
          (hair dye containing)
RN     458-37-7  HCAPLUS
CN     1,6-Heptadiene-3,5-dione, 1,7-bis(4-hydroxy-3-methoxyphenyl)-, (1E,6E)-
       (9CI)  (CA INDEX NAME)

Double bond geometry as shown.
```



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L24    ANSWER 60 OF 60  HCAPLUS  COPYRIGHT 2004 ACS on STN
AN     1984:126735  HCAPLUS
DN     100:126735
TI     Process for augmenting or enhancing the aroma of detergents by using
       unsaturated branched-chain ketones
IN     Boden, Richard M.; Tyszkiewicz, Theodore J.
```

PA International Flavors and Fragrances Inc. , USA
SO U.S., 22 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4420411	A	19831213	US 1982-384961	19820604
PRAI	US 1982-384961		19820604		

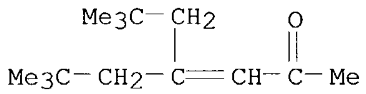
AB Acylated triisobutylene derivs. are prepared and used to enhance perfumed compns. such as colognes, detergents, cosmetic powders, **hair** sprays, etc. A triisobutylene isomeric mixture was acylated with Ac2O [108-24-7] or (EtCO)2O [123-62-6] in the presence of a Lewis acid catalyst to give mixts. of the corresponding acylated products. The branched-chain ketones have long lasting ambery, fruity, ionone-like, winey, woody aromas with urine-like top notes, and were added to perfume, cosmetic powder, detergent, and soap compns.

IC C11D003-50
NCL 252174110
CC 62-5 (Essential Oils and **Cosmetics**)
Section cross-reference(s): 23, 46

IT **23687-57-2P** 83810-25-7P 89272-30-0P **89272-31-1P**
89272-32-2P 89272-33-3P **89272-34-4P** 89272-35-5P
89272-36-6P 89272-37-7P 89272-38-8P **89272-39-9P**
89272-40-2P 89272-41-3P **89272-42-4P** 89272-43-5P
RL: PREP (Preparation)
(preparation of, for perfume compns.)

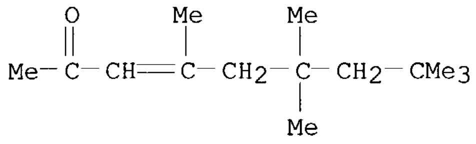
IT **23687-57-2P** **89272-31-1P** **89272-34-4P**
89272-36-6P **89272-39-9P** **89272-42-4P**
RL: PREP (Preparation)
(preparation of, for perfume compns.)

RN 23687-57-2 HCAPLUS
CN 3-Hepten-2-one, 4-(2,2-dimethylpropyl)-6,6-dimethyl- (9CI) (CA INDEX NAME)



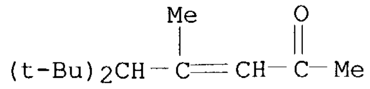
$\mathrm{Me_3C{-}CH_2{-}\overset{\overset{Me_3C-CH_2}{|}}{C}{=}CH{-}\overset{\overset{O}{\|}}{C}{-}Me}$

RN 89272-31-1 HCAPLUS
CN 3-Nonen-2-one, 4,6,6,8,8-pentamethyl- (9CI) (CA INDEX NAME)



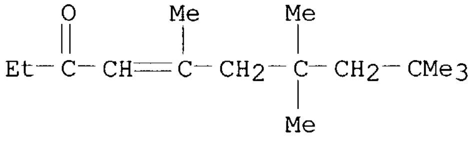
$\mathrm{Me{-}\overset{\overset{O}{\|}}{C}{-}CH{=}\overset{\overset{Me}{|}}{C}{-}CH_2{-}\underset{\underset{Me}{|}}{\overset{\overset{Me}{|}}{C}}{-}CH_2{-}CMe_3}$

RN 89272-34-4 HCAPLUS
CN 3-Hepten-2-one, 5-(1,1-dimethylethyl)-4,6,6-trimethyl- (9CI) (CA INDEX NAME)



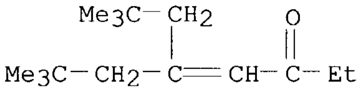
$$(\text{t-Bu})_2\text{CH}-\overset{\text{Me}}{\overset{|}{\text{C}}}=\text{CH}-\overset{\text{O}}{\overset{\|}{\text{C}}}-\text{Me}$$

RN 89272-36-6 HCAPLUS
CN 4-Decen-3-one, 5,7,7,9,9-pentamethyl- (9CI) (CA INDEX NAME)



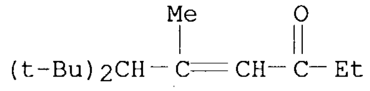
$$\text{Et}-\overset{\text{O}}{\overset{\|}{\text{C}}}-\text{CH}=\overset{\text{Me}}{\overset{|}{\text{C}}}-\text{CH}_2-\underset{\underset{\text{Me}}{|}}{\overset{\text{Me}}{\overset{|}{\text{C}}}}-\text{CH}_2-\text{CMe}_3$$

RN 89272-39-9 HCAPLUS
CN 4-Octen-3-one, 5-(2,2-dimethylpropyl)-7,7-dimethyl- (9CI) (CA INDEX NAME)



$$\text{Me}_3\text{C}-\text{CH}_2-\overset{\text{Me}_3\text{C}-\text{CH}_2}{\overset{|}{\text{C}}}=\text{CH}-\overset{\text{O}}{\overset{\|}{\text{C}}}-\text{Et}$$

RN 89272-42-4 HCAPLUS
CN 4-Octen-3-one, 6-(1,1-dimethylethyl)-5,7,7-trimethyl- (9CI) (CA INDEX NAME)



$$(\text{t-Bu})_2\text{CH}-\overset{\text{Me}}{\overset{|}{\text{C}}}=\text{CH}-\overset{\text{O}}{\overset{\|}{\text{C}}}-\text{Et}$$

=>